



700 MHz Region 39, Tennessee

NPSPAC Region 39 700 MHz Regional Review Committee

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October 28, 2015

Federal Communications Commission
Public safety & Homeland Security
445 12th Street, SW
Washington, DC 20554

Subject: Docket No 13-87 and WT Docket 02-378 – Region 39 700 MHz Regional Plan Revisions

Dear Madams and Sirs,

Attached is the revised Region 39 (Tennessee) 700 MHz regional Plan. The plan has been revised to comply with the above mentioned dockets. The plan addresses the former T-Band, deployable channels and the 12.5 KHz reserve channels.

On July 30, 2015, Region 39 held a meeting for the purpose of reviewing the proposed changes that resulted from the 12.5 KHz, narrow banding, and changes in the former T-Band, and the former reserve channels. The meeting was held at the Tennessee Bureau of Investigation headquarters in Nashville, TN. The attached plan is a result of that meeting.

I hope you find this plan will meet with your approval and allow public safety agencies in Tennessee access to the much needed spectrum.

Respectfully,

Jesse Griggs
Chairman Region 39

PUBLIC SAFETY 700 MHz RADIO COMMUNICATIONS PLAN FOR REGION 39



769 – 775 / 799 – 805 MHz Regional Plan for Region 39 (Tennessee)

FCC Approved August 6, 2009 DA 09-1761

Revised November 4, 2015

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Purpose of the Plan

This document is the Regional Plan for Region 39, encompassing the entire state of Tennessee, describing how the 769 - 775 MHz / 799 -805 MHz General Use frequencies will be allocated and implemented in the Region.

1.0 General Information

INTRODUCTION

The Regional Committee is established under section 90.527 of the FCC’s rules and regulations. Region 39 is an independent Committee established by the Federal Communications Commission with authority to evaluate application for public safety uses of the spectrum allocated under FCC Docket 96-86 and sequential dockets. Twenty-four (24) MHz of the spectrum was originally allocated to Public Safety in 1996 but was modified to twelve (12) MHz of spectrum as of the FCC decision on July 31, 2007, released August 10, 2007. The Public Safety spectrum consists of former TV broadcast channel 63 & 64 paired with channels 68 & 69. This Plan deals with the 12 MHz of General Use spectrum for Public Safety.

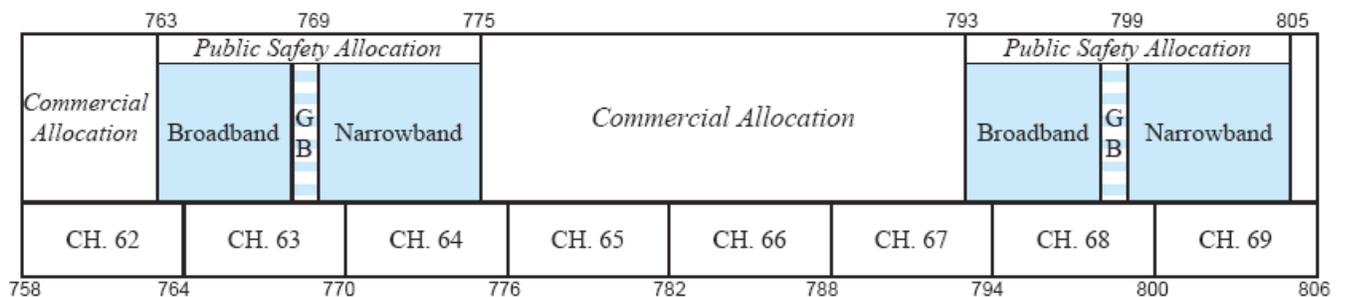
In 2012, the State of Tennessee requested that Region 39 700 MHz Regional Planning Committee administer the 700 MHz interoperability channels.

On August 10, 2007, the FCC released Report and Order 07-132. The last Plan modification was to align the Region 39 700 MHz RPC Plan with the FCC Report & Order. The FCC the Region 39 Plan FCC August 6, 2009 DA 09-1761.

This Plan modification is to align the Region 39 Plan with the FCC Report and Order FCC 14-172, Released: October 24, 2014 and other items Region 39 has previously voted on.

The below chart is copied from FCC Second Report & Order 07-132

FIGURE 2: REVISED 700 MHz BAND PLAN FOR PUBLIC SAFETY SERVICES



1.1 Current Regional Chair

The Regional Chairperson of Region 39 is Jesse D. Griggs. His information is below:

Jesse D. Griggs
Tennessee Department of Correction
6406 Centennial Blvd
Nashville, TN 37209
(615) 350 – 1930 (V)
Email: jesse.d.griggs@tn.gov

1.2 Other Current RPC Officers

The Vice Chairman of Region 39 is Patrick Rollins. His contact information is below:

Patrick Rollins
City of Chattanooga
Radio Electronic Supervisor
3420 Amnicola Hwy.
Chattanooga, TN 37406
(423) 643 - 5236
Email: rollins_p@chattanooga.gov

The Secretary for Region 39 is John Johnson. His contact information is below:

John Johnson
State of Tennessee, Retired
4130 Azalea Court
Murfreesboro, TN 37128
(615) 604 - 3683
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Membership in the Region 39 Regional Planning Committee is open to any interested party as defined by FCC Part 90.20a, 90.523 and the Region39 By-Laws. Committee Officer requirements, voting procedures and membership attendance requirements are listed in the Region 39 Planning Committee by-laws. Appendix A contains the Region 39 By-laws. Appendix B is a list of Region 39's members, their agency/affiliation and contact information. Voting and operating procedures are described in Section 2.2 of this Plan.

1.3 Region 39 Description

Region 39 encompasses the entire state of Tennessee, consisting of 95 counties. An alphabetized list of counties can be found listed in Appendix C.

Tennessee has been called the “Three States of Tennessee” because of its three grand divisions and the unique geography of each. Geographically, Tennessee is divided into six major natural regions. These areas, from east to west, are:

1) The Appalachian Mountain 2) The Great Valley 3) The Cumberland Plateau
 4) The Highland Rim 5) Central Basin 6) The Gulf Coastal Plain (West)
 Region 39 (State of Tennessee) has eight (8) adjacent bordering Regions and three (3) non-bordering Regions within 70 miles of the State border. They are as follows:

Region 1	State of Alabama	Border
Region 4	State of Arkansas	Border
Region 10	State of Georgia	Border
Region 13	Southern Illinois	Non Border
Region 17	State of Kentucky	Border
Region 23	State of Mississippi	Border
Region 24	State of Missouri	Border
Region 31	State of North Carolina	Border
Region 37	State of South Carolina	Non Border
Region 42	State of Virginia	Border
Region 44	State of West Virginia	Non Border

The Region 39 700 MHz Plan, county allotments for the narrowband channels have been developed based on population densities, anticipated population growth and input by committee members. Due to the Region’s diverse population densities and the scarce spectrum resources in Tennessee’s populated areas, the demand for the 700 MHz narrowband spectrum will continue.

The Tennessee Department of Correction (TDOC) requested funding to build the first state government owned P25 radio site at the Morgan County Correctional Complex in Wartburg, Tennessee. The P25 Switch for this system was to be located in Nashville, Tennessee at the Tennessee State Prison. TDOC received funding from the State Legislature to purchase and establish this system in Fiscal 2008 which began in July 2007. The Tennessee Valley Region Communications System (TVRCS), managed by the city of Chattanooga, was created in 2008 with funds from the Public Safety Interoperability Communications Grant (PSIC), with matching funds from the State of Tennessee. The TVRCS was designed to provide interoperable communications in ten counties in the Tennessee Valley Region of eastern Tennessee and three counties in north Georgia with interoperability with the TDOC system. The three north Georgia counties utilized Georgia PSIC Grant funds for their build-out. Most of the TVRCS sites utilized 700 MHz general pool spectrum along with State License Channels. TDOC using PSIC grant funds, connected the two P25 switches forming a system of systems and enabling seamless interoperability. In 2009 as a result of the narrow banding mandate, TDOC requested funding to convert all of its VHF radio sites to 800 MHz P25 sites. Funding was granted in July 2010 resulting in an increased presence on the system to include facilities in all 3 geographical regions, thus linking all of the geographical regions of Tennessee together for the first time. In 2012 the Tennessee Department of Safety & Homeland (TDOSHS) Security received funds from the State Legislature to build upon the TDOC and TVRCS systems and create a statewide P25 trunked radio system using both VHF, 700 MHz and 800 MHz spectrum. The statewide system, Tennessee Advanced Communications Network (TACN) has been completed forming a statewide system of systems with TDOC as Zone 1 controlling the Middle Tennessee Geographical Region plus all state owned prisons, TVRCS as Zone 2 controlling the East Tennessee Geographical Region and TDOSHS as Zone 4 controlling the West Tennessee Geographical Region. TACN has already had several local governmental counties and cities to join the system as well as many individual local, state and federal agencies. The narrowband 700 MHz spectrum will allow TACN to continue to grow to meet public safety needs across Tennessee. The vision of Region 39 is that someday the technology will allow all P25 users to utilize every P25 radio system in Tennessee seamlessly, no matter what frequency spectrum their land mobile radio system uses.

2.0 Notification and Operation

2.1 Notification Process

On May 8, 2001, the initial Region 700 MHz Regional Planning Committee convened. The 800 MHz NPSPAC Region 39 Chairperson, John W. Johnson, acted as the 700 MHz Convener. Notification to interested parties began ninety (90) days prior to the first meeting as well as follow-up reminder announcements were issued. Region 39 continues to meet at least annually. The notification process is located in the Region's by-Laws, Appendix A.

2.2 Operations of the Regional Plan Committee

This committee will use Simplified Parliamentary Procedures to conduct meetings. This method allows for all members to have their voice heard. All decisions will be by clear consensus vote with each Public Safety Agency or Public Safety Organizations in attendance having one (1) vote. Additional voting member considerations are listed in the Region 39 Bylaws, Appendix A. The meetings are open to all interested persons and public input time is provided for anyone to express a viewpoint or to have input to the Regional Planning process.

Subcommittees will be appointed as needed to work on specific issues. For the initial planning of Region 39, three subcommittees were formed. Technical & Implementation, Interoperability, and Administrative Subcommittees: These subcommittees were intended to work on the details of specific issues and make recommendations to the full committee for the development of the Region 39 Regional Plan. Any changes to the Regional Plan must be voted and approved by the full Regional Planning Committee. Participation in subcommittees is open to any voting or non-voting member. The Chair of the Regional Planning Committee appoints each Subcommittee Chair.

A minimum of one (1) full committee meeting will be held per year. The Region 39 Chairperson has the authority to call an additional meeting at a time when he/she deems necessary or when he/she deems it in the best interest of the Region to convene. In an attempt to offer as many people as possible the opportunity to contribute to the Regional 700 MHz Planning Committee. The Chairperson or their designee will announce date, location and time of the meeting in accordance with the Region's By-Laws.

If the Chair is unable to serve a complete term, the Vice Chair will serve as Chair until the next 700 MHz Regional meeting. If both the Chair and Vice Chair are unable to serve their full terms, one or the other should make an effort to call a special meeting of the Committee to elect replacements. If for some reason, neither the Chair nor the Vice Chair can call the special meeting; the State or any County within the Region may call for a special meeting, giving at least five (5) days' notice, to elect replacements.

A chronological list of meetings, minutes, meeting announcements and table outlining Region 39's progress in 700 MHz developments is located in Appendix D of this document.

2.3 Major Elements of the Plan

The major elements of this Plan are (1) the declaration that this is the Region 39 Plan, (2) that Region 39 encompasses the entire State of Tennessee, (3) the administration and operation of the committee, (4) 700 MHz interoperability, (5) General Use spectrum management and (6) allocation requests, (7) dispute resolution, (8) adjacent Region coordination and (9) the appendices with the channel allocation being Appendix G. The channel allocation contains the general usage voice channels.

In this Plan revision, Region 39 addresses the FCC changes required by the 2014 FCC Report & Order, 14-172. A summary of the Report and Order is below:

- Eliminates the December 31, 2016 narrowbanding deadline for 700 MHz public safety narrowband licensees to transition from 12.5 kilohertz to 6.25 kilohertz channel bandwidth technology.
 - Redesignate (eight 12.5 KHz) channels in the 700 MHz band that are currently licensed for secondary trunking operations for public safety aircraft voice operations, consistent with NPSTC's 2010 proposal.
 - Decline to establish a Nationwide Interoperability Travel Channel.
 - Allow voice operations on Data Interoperability Channels on a secondary basis.
 - Reallocate the (twenty-four 12.5 KHz) Reserve Channels to General Use Channels and afford T-Band public safety licensees priority for licensing of the former Reserve Channels in T-Band areas.
 - Decline to increase the permissible 2 watt ERP for radios operating on the mobile-only low power channels.
 - Encourage manufacturers of 700 MHz public safety radios to obtain Compliance Assessment Program (CAP) certification for new equipment to demonstrate that the equipment meets P25 interoperability standards as required by Section 90.548 of the Commission's rules. CAP certification will presumptively establish compliance with Section 90.528; manufacturers that elect not to obtain CAP certification must disclose their basis for asserting compliance.
 - Encourage Public Safety Licensees to incorporate CAP into their solicitations for supporting equipment.
 - Adopt rules governing the spectral output of signal boosters when simultaneously retransmitting multiple signals.
 - Adopt Effective Radiated Power (ERP) as a regulatory parameter in this band, in place of Transmitter Power Output (TPO).
 - Recommend, but do not require, that 700 MHz radios operating on interoperability calling channels employ the Project 25 Network Access Code (NAC) \$293. Clarify that 700 MHz radios must be capable of being programmed to any of the 64 interoperability channels, but that all interoperability channels do not have to be accessible to the radio's user.
 - Clarify that the rules do not allow analog operation on the 700 MHz interoperability channels.

3.0 Regional Plan Administration

3.1 Allocation of Narrowband “General Use” Spectrum Allotments

In the 2005 original allotment, all 95 counties in Region 39 were allocated a minimum of five 25 KHz channels per the recommendation of the NCC. At that time, 25 KHz supported on voice channel. With the advancement of technology, a licensee using a P25 Phase 1 system will only use 12.5 KHz bandwidth. While this is great advancement, the downside is the other half of the 25 KHz channel allotment cannot be used in the same geographic area without interference to one another. P25 Phase 2, many manufacturers equipment currently uses a 12.5 KHz channel but give the equivalency of two voice paths, still leaving one half of the 25 KHz “orphaned”.

Region 39 will maintain the “spirit” of the original channel allotments of a minimum of five talk paths per county. Region 39 has discussed and voted to return the unused 12.5 KHz channel back into the pool for future usage instead of leaving them “orphaned”. As applications are received for additional spectrum, channels will be allotted at 12.5 KHz per channel pair. Any original unlicensed allocation of 25 KHz will remain as a 25 KHz allotment until it is assigned to an applicant. Once the FCC has issued the license and the system is operational, then the “orphaned” 12.5 KHz channel will be returned to the pool for future usage.

The CAPRAD frequency allocation program assigns channel pairs to a county based of the distance from the county center to another county center as well as terrain considerations. A CAPRAD user may input a specific set of coordinates from which to search for additional spectrum.

3.2 Procedure for Requesting Spectrum Allotments / Application Submission

A. General Information

Region 39 has announce to the Region that 700 MHz public safety channels are available in the Region and that channels have been assigned in pool allotments to counties within the Region for usage by Public Safety entities. The general usage spectrum may be used by both Local and State of Tennessee agencies in accordance with the FCC rules and Reports and Orders. In the 2014 Report & Order, the FCC reiterates the purpose of the 700 MHz spectrum and usage.

Therefore, we reiterate that even though state and local governmental entities, including transit agencies, have access to 700 MHz narrowband spectrum as eligible licensees, uses of this spectrum must conform to the “sole or principal purpose” prong of Section 337(f)(1)(A) (i.e. the protection of safety of life, health, or property).¹²⁴

¹²⁴ Declaratory Ruling, 26 FCC Rcd at 10808 ¶ 25. See also 700 MHz First Report and Order, 14 FCC Rcd at 181 ¶

54 (“Section 337 mandates that this spectrum must be used for services whose sole or principal purpose is to protect the safety of life, health or property.” (emphasis in original)).

The 12 MHz of wide band data channels, by the FCC Report & Order, August 23, 2007, were reallocated to the National Broadband Public Safety Trust, FirstNet.

All available methods were used to notify public safety entities of channel availability in the Region (see Section 2.1). Applications may be submitted anytime and all spectrum requests will be considered on a first come, first served basis. Region 39 may request supplemental information from applicants to submit, along with their FCC form, to help guide them through the application process.

B. Spectrum Re-Usage

Region 39 utilizes the CAPRAD pre-coordination database system to maximize channel re-usage in the 700 MHz band. Since the spectrum is reused, it is hoped that each system will use the minimum power necessary to meet their needs. If power and ERP seems excessive to the committee, a reduction in power or antenna gain may be requested to minimize potential interference and increase spectrum efficiency to other co-channel and adjacent channel users.

Region 39 encourages an applicant to provide a “give back” spectrum list whether it is VHF, UHF, 700 or 800 MHz, if at all possible.

C. Application Submission / Coordination Process

The Region 39 Planning Committee will utilize the Computer Assisted Pre-Coordination Resource And Database system (CAPRAD) 700 MHz General Use channel sort as found in the CAPRAD database for narrowband General Use channels. (See Appendix G). Region 39 will keep the Regional Plan and current frequency allotment/allocation information on the database. The Region 39 Regional Planning Committee has both the ability to accept recommendations from the committee and, when needed, the authority to change the original frequency allotment. In order to keep the most effective frequency allotments within Region 39, an annual review of the allotments will be made at one of the scheduled meetings by the committee and recommended changes to the Plan will be voted on.

An eligible agency may submit an application at any time. Region 39 does not have a “window” in which to file applications. To request 700 MHz channels from Region 39, it is preferred that an application be submitted via the Computer Assisted Pre-Coordination Resource and Database (CAPRAD) system at <http://caprad.org/cp/index.jsp> or do a search for CAPRAD. The current FCC form is pre-loaded into the CAPRAD system. Applicants not utilizing CAPRAD, must fill out the appropriate FCC application form, provide a short description of the proposed system to include a justification for number of channels being requested and if this application is part of a Regional or Statewide system. A non CAPRAD submitted application should be a PDF file and submitted to the Chair, Vice Chair or may be sent to an FCC certified public safety Frequency Coordination for them to forward to the Region. More details on the submission process may be found in Appendix F.

Currently CAPRAD does not have the full functionality for 700 MHz license holders to submit a modification. More information regarding the license submission process is found in Appendix F.

D. Give Up or Give Back Spectrum

When applying for new 700 MHz channels, the Regional Planning Committee encourages applicants to relinquish some amount of currently licensed spectrum (“give back channels”), whether it is VHF, UHF,

700 or 800 MHz, and make that spectrum again available for use within the Region. Agencies with existing licensed 800 MHz systems that are requesting 700 MHz channels for system expansion are not expected to “give up” the existing 800 MHz spectrum unless migrating to an all 700 MHz system. An agency may retain channels that are used for paging, telemetry, microwave or other on-going functions.

When an applicant submits a request for 700 MHz spectrum, a “Give Back Plan” should accompany the application. This Plan should show what frequencies would be vacated, a time line for the transition and what channels are being retained. If an existing channel is being retained for interoperability purposes, please identify that channel in the “Give Back Plan”.

Frequency “give back” requirements shall hold true for regional systems where system constituents maintain discrete licenses for their own internal operations. In this case, constituent political subdivisions or agencies are required to participate in the “give back” plan. Should a political subdivision or agency act as host of a regional system, both the host agency and the constituent agencies should participate in the “give back” Plan.

Frequencies used for non-voice critical infrastructure support functions [Supervisory Control and Data Acquisition (SCADA) systems], paging, and voice channels used for interoperability / mutual aid with other regional, state or national agencies may be exempted by the Committee as candidates for “give back”. Frequencies used by an applicant for such purposes, other than the frequencies listed below, must be specified in supportive documentation supplied with the application to enable the Regional Planning Committee to consider any possible exemption. Any FCC designated mutual aid or interoperability frequency is exempt.

Tennessee Interoperability / Mutual Aid Frequencies Exempt from Give-Back

Frequency or Pair	Channel Name	Usage
154.755 / 156.015 MHz	VTNMA	VHF TN Mutual Aid
155.205 MHz	VEMS205	VHF EMS Mutual Aid
155.295 MHz	VEMS295	VHF EMS Staging
155.340 MHz	VEMS340	VHF Ambulance to Emergency Room
155.370 MHz	Inter City	VHF Dispatch Center to Dispatch Center
159.705 MHz	VTNTAC	VHF TN Tactical
453.425 MHz	UTNTAC	UHF TN Tactical
460/465.400 MHz	UTNMA	UHF TN Mutual aid
809/854.18750 MHz	8TNMA	800 TN Mutual Aid
809/854.48750 MHz	8TNTAC	800 TN Tactical

In cases of hardship or failure to implement, the Regional Planning Committee will consider, on a case-by-case basis, extensions not to exceed five years from date of license issuance, of the “give back” timetable, if the FCC has approved a buildout extension. The dispute arbitration process in Section 9.2 of this document shall apply should there be protest.

3.3 Frequency Assignments for Applications

Channel assignments will be based on a defined service area of each applicant. For Public Safety entities this will normally be a geographically defined area such as city, county or by a specific set of coordinates with and defined Area of Operation. Coverage studies are preferred over contours alone.

For co-channel assignments, the 40dB μ contour will be allowed to extend beyond the defined service area by 5 miles, depending on the type of environment, urban, suburban or low density. The proposed or interfering co-channel 19 dB μ contour will be allowed to touch but not overlap the 40dB μ contour of the existing system being evaluated. All contours based on FCC R6602, (50,50 if using Longly Rice).

For adjacent and alternate channels, the interfering channels 60 dB μ will be allowed to touch but not overlap the 40 dB μ contour of the system being evaluated. All contours are (Longly Rice 50,50).

When an application is submitted or received and the co-channel frequency is allotted but not licensed, then the signal level coming into the closest county border where the channel is allotted should not exceed 19 dB μ .

Applications will be reviewed on a case by case basis. Systems that are Regional or Statewide will be reviewed on the application's intended usage and merit. See Appendix F 700 MHz Channel Assignment Guidelines

Appendix G has the Region 39 Channel Allotment. Both allotted and licensed channels can be identified. Current channel allotments may be viewed at www.caprad.org.

3.4 Additional Channel Allotments

When a county's usable channel allotment is depleted, additional channel allotments may be assigned to that county.

A search for new channel allotments will be made in CAPRAD

Channel pairs should not be assigned co-channel less than 55 miles apart unless there is sufficient terrain blockage

Adjacent channel, 12.5 KHz, should be taken into consideration

If a possible channel pair is found, then a Letter(s) of Concurrence must be sent to each Region within 70 miles of the county border unless it is being assigned to a specific location. Then the Letter(s) of Concurrence will be needed from adjacent regions within 70 miles of the specific fixed site.

If the proposed channel allotment will be at multiple sites, each site should be checked to see what Regions are within 70 miles and LOCs sent to those Regions

Once LOCs are received back from the adjacent regions, that channel may be added to that county's allotment, even without a pending FCC application.

If there is a pending FCC application, once LOCs are received from the adjacent regions and the application meets the requirement of the Region, then the Region must provide an approval letter to be attached to the license application along with the LOCs received.

The application is sent to the designated frequency coordinator

The Region 39 Plan should not need FCC re-approval when adding additional channels to a county allotment if the required adjacent regions provide a LOC, is documented in CAPRAD and the county

allotment is updated in the Region 39 Plan Channel Allotment & Assigned Channels Listing and in CAPRAD.

3.5 FCC Designated Low Power Analog Eligible Channels

The FCC in the narrow band 700 MHz band plan set aside twenty-four (24) 6.25 KHz channel pairs or twelve (12) 12.5 KHz low power channels. Nine (9) channel pairs are under the coordination responsibility of the Region. The other three (3) 12.5 KHz channels are designated “itinerant” and can be obtained by submitting an FCC license application directly with the FCC. See the Table below for Low Power Channel Pairing. The FCC does permit analog operation as well as P25 on these low power channels only.

Simplex operations may occur on the base or lower frequency side of the channels. Users are cautioned to coordinate on scene use among all agencies involved, particularly when the use of repeater modes is possible at or in proximity to a common incident. Users should license multiple channels and be prepared to operate on alternate channels at any given operational area.

RPC Coordinated Channel Pairs

Channels pair may be obtained by the same procedure as defined in Section 3.2 and Appendix F. The primary usage of the low power channel may be hand held radio to hand held radio or hand held to mobile radio, if the mobile radio can be programmed so that it does not exceed the two watt ERP limitation. For example: A hand held (portable) radio transmitter power may be 3 watts but the ERP may not exceed 2 watts because the hand held radio antenna is not efficient and loses power. A vehicular repeater (MO3) or mobile radio transmitter power may be 5 watts but because of the feed line loss and connector loss, the ERP can be 2 watts. On scene temporary base and mobile relay stations are allowed (to the extent FCC rules allow) with an antenna height limit of 6.1 meter (20 feet) AGL (Above Ground Level). Vehicular repeater operation (MO3) is also allowed. However, users are encouraged to operate in simplex mode whenever possible. This Plan does not limit use to analog only operations and channels are intended for use in a wide variety of applications that may require digital modulation types as well. The use of EIA/TIA-102, Project 25 Common Air Interface (CAI) is required when using a digital mode of operation.

Region 39 has chosen not to pre-allocate any of the low power channels but to leave them on a first come first serve basis.

Itinerant Channel Pairs

Channels 9 –12 paired with 969 – 972 and 959 – 960 paired with 1919 – 1920 are designated “Itinerant” by the FCC and may be licensed for a specific area of operation up to nationwide for itinerant operation. The 2 Watt ERP limitation still applies with the itinerant channels. An application for these itinerant channels must be made direct to the FCC using the ULS application system. The itinerant channels, by definition, are for on scene portable and mobile use; they may not be used for vehicular repeaters. 47 C.F.R. § 90.531(b)(4).

Users are encouraged to operate in simplex mode whenever possible. This Plan does not limit use to analog only operations and channels are intended for use in a wide variety of applications that may require digital modulation types as well. The use of EIA/TIA-102, Project 25 Common Air Interface (CAI) is required when using a digital mode of operation. The Low Power Channel List may be found in APPENDIX J

3.6 Wideband Data

This section was deleted due to the FCC Second Report and Order, 07-132 released August 10, 2007.

3.7 Reserve Channels Released

In the October 24, 2014 Release of the FCC REPORT AND ORDER 14-172, concluded that “the 700 MHz Reserve Channels should be added to the General Use pool and made available for multiple uses under RPC administration.” The FCC did discuss usages for the Reserve Channels:

In Non T-Band areas, such as Region 39, up to eight 12.5 KHz channels may be used for temporary deployable trunked system usage;

The rest for General Use including low power vehicular repeaters ;

We require RPCs, as stewards of this limited spectrum resource, to be diligent to ensure that the reserve spectrum is used efficiently and not simply stockpiled. Accordingly, infra, we establish requirements and guidelines to ensure that RPCs appropriately balance the needs of all users and afford T-Band incumbents priority access to the Reserve Channels.

Region 39 will incorporate the sixteen (16) released Reserve channels, not used for Deployable Channels, on a first come basis. These channel may be used for:

vehicular repeater operation (MO/MO3), not to exceed 10 watts power or 15 watts ERP;

Temporary Fixed (FBT / FB2T) conventional base stations or repeater ;

Additional channels needed in a County Allotment;

Section 8.4 discusses Deployable Systems in more detail as well as power, ERP and antenna height limitations.

4.0 Prioritization of Applications

In the event that spectrum allocation requests conflict and all requests cannot be accommodated by power or antenna height reductions, the following will be used to determine priority for allotment. This will only be used if two requests are received in the same time frame for and both applicants cannot be accommodated. Otherwise, the first come first served procedure of Section 3.1 will be used.

Two areas of criteria will be as follows:

1. Geographic Area

State wide area system

Regional wide area system

County wide system

City system

Campus system e.g. College, University, secondary schools

Building Complex such as a hospital or jail

2. Discipline

Public Safety first responder will have priority: law enforcement, fire, EMS, rescue, emergency management, correctional facilities, etc.

Public Service / Safety agencies that support first responder: highway transportation, street department, public works, non-law enforcement forestry, wildlife resources, environmental agencies, hospitals, etc.

Public Service agencies such as utilities (electric, water, gas, solid waste), air pollution, public transportation, animal control, etc.

Excerpt from the 2014 Report & Order

124 Declaratory Ruling, 26 FCC Rcd at 10808 ¶ 25. See also 700 MHz First Report and Order, 14 FCC Rcd at 181 ¶

54 (“Section 337 mandates that this spectrum must be used for services whose sole or principal purpose is to protect

the safety of life, health or property.” (emphasis in original)).

5.0 Process for Handling Unformed Regions

There are no unformed adjacent Regions to Region 39. Letters of Concurrence have been received from all eleven adjacent Regions for the initial Plan and Plan updates. Letters of Concurrence will be requested for all necessary Plan changes.

6.0 Plan Coordination with Adjacent Regions

The Regions that are adjacent to or within seventy (70) miles of Region 39 are listed below:

Region 1	State of Alabama	Border
Region 4	State of Arkansas	Border
Region 10	State of Georgia	Border
Region 13	Southern Illinois	Non Border
Region 17	State of Kentucky	Border
Region 23	State of Mississippi	Border
Region 24	State of Missouri	Border
Region 31	State of North Carolina	Border
Region 37	State of South Carolina	Non Border
Region 42	State of Virginia	Border
Region 44	State of West Virginia	Non Border

Region 39 has coordinated channel allocations and received concurrence with all its bordering Regions by providing copies of the Region 39 Plan (including channel allotments) to each adjacent Region using the CAPRAD database and by e-mail or mailing hard copies of the Plan to the adjacent Region’s Chairperson.

In seeking Regional concurrence, the Chairperson has given copies of this Plan to the Chairperson of Region 1, 4, 10, 13, 17, 23, 24, 31, 37, 42 and 44. The Region 39 Plan will also be available for viewing by all Regions via the CAPRAD 700 MHz database and the Region 39 web site, www.region39.org. The CAPRAD pre-coordination database shows the channel allotments available in each county within Region 39 as well as the channels that have been assigned and licensed.

The CAPRAD database and its associated packing Plan provides minimum channel allotments for all of Region 39's bordering Regions. This method was recommended by the NCC Implementation Subcommittee as a way to assure that adjacent Regions, which did not enter the Regional Planning process immediately, would not find all frequencies assigned in their borders.

Therefore, adjacent Regions 1, 4, 10, 13, 17, 23, 24, 31, 37, 42, and 44 should all be able to satisfy voice and narrowband data (25 KHz maximum) requests along their border areas with Region 39. However, if an adjacent Region has difficulties satisfying intra-regional requests due to channel allocation within Tennessee, this committee pledges to work with that adjacent Region to resolve any issues that might hinder operability, interoperability or reduce any benefit to public safety communications.

7.0 System Design/Efficiency Requirements

7.1 Interference Protection

The frequency allotment list will be based on an assumption that systems will be engineered on an interference-limited basis, not a noise floor-limited basis. Agencies are expected to design their systems for maximum signal levels within their jurisdictional coverage area and minimum levels in the coverage area of other co-channel users. Coverage area is normally the geographical boundaries of the Agency(s) served plus five (5) miles area beyond.

Systems should be designed for minimum signal strength of 40 dB μ in the system coverage area while minimizing signal power out of the jurisdictional coverage area. TIA/EIA TSB88-A (or latest version) will be used to determine harmful interference assuming 40 dB μ , or greater, signal in all systems coverage areas. This may require patterned antennas and extra sites compared to a design that assumes noise limited coverage.

7.2 Spectrum Efficiency Standards

Initial allotments were made on the basis of 25 kHz channels, assuming 25 KHz is one voice path. To maximize spectrum utilization, prudent engineering practices and receivers of the highest quality must be used in all systems. Given a choice of radios to choose from in a given technology family, agencies should use the units with the best specifications. This Plan will not protect agencies from interference if their systems are under-constructed (i.e.; areas with the established service area having minimum signal strength below 40 dBu), or the systems utilize low quality receivers. The applicant's implementation of best engineering practices will be encouraged by the Regional Planning Committee at all times.

Currently all of the spectrum licensed in Region 39 utilizes P25 Phase 1 and Phase 2, 12.5 KHz voice paths or channels. Since P25 Phase 2 is no longer mandated, the 6.25 KHz channel assignment will continue to be an option for licensee.

Region 39 encourages small agencies to partner with other agencies in multi-agency or regional systems as they promote spectrum efficiency and both small and large agency capacity needs can be met. Loading criteria can also be achieved in multi-agency systems that will allow greater throughput for all agencies involved than that which could be achieved individually.

7.3 Orphaned Channels

The narrowband pool allotments with Region 39 initially had a channel bandwidth of 25 kHz. These 25 kHz allotments have been characterized as “Technology Neutral” and flexible enough to accommodate multiple technologies utilizing multiple bandwidths. If agencies choose a technology that requires less than 25 kHz channel bandwidth for their system, e.g. P25 Phase 1 or Phase 2, there is the potential for residual, “orphaned channels” of 6.25 kHz or 12.5 kHz bandwidth immediately adjacent to the assigned channel within a given county area.

An orphan channel may (if possible) be used at another location within the county area where it was originally approved, if it meets co and adjacent channel interference criteria. Region 39 will utilize “county areas” as guidelines for channel implementation with the area of Region 39. The definition of “county area” in this Plan is the geographical/political boundaries of a given county, plus a distance of up to 5 miles outside of the county or jurisdictional boundary. It is the goal of Region 39 to utilize the spectrum as efficiently as possible and minimize orphan 12.5 KHz or 6.25 KHz channels, while maintaining the 5 voice paths minimum in a county.

If the orphaned 12.5 KHz or 6.25 KHz channel, goes back into the general pool for reassignment and it is less than 70 miles co-channel to an adjacent Region, Region 39 will receive concurrence from the affected Region(s). Region 39 has voted to put orphan channels back into the General Pool for reassignment once the FCC license is issued to the applicant and the system is operational. When in the best interest of public safety communications and efficient spectrum use within the Region, Region 39 RPC shall have the authority to replace an allotted channel that is not licensed, and either return it to the Pool or move the channel pair into another county in order to use reuse the orphan channel if an allotted channel is not useable.

For example, e.g. Rhea County licenses a P25 Phase 1 channel pair. This will leave 12.5 KHz orphaned and it will go back into the General Pool. If an adjacent or near county needs an additional 12.5 KHz channel and a CAPRAD search shows the orphan channel from Rhea County could be used in the applicants county, then it may be allotted or assigned. The applicant would also need to obtain a LOC from adjacent state(s) within 70 miles of the site.

Region 39 will work to maintain spectrum efficiency and/or minimize co-channel or adjacent channel interference between existing allotments within the Region utilizing disparate bandwidths and technologies.

7.4 System Implementation

Per the FCC rules, a system must be constructed and operational within one year of license issuance. The FCC also requires that they be notified of the construction date by an on line “Required” or “Construction Notification”. A licensee needing additional time may request “an Extension of Time” to “Construct” by filing a request on line with the FCC using the Universal Licensing System (ULS) prior to the construction deadline.

Failure to construct or notify the FCC of the Construction date will be terminated by the FCC.

7.5 Channel Loading

7.5.1 Channel Loading Voice Channels

EMERGENCY RESPONSE APPLICANT		NON-EMERGENCY RESPONSE APPLICANT	
CHANNELS / VOICE PATHS	UNITS / CHANNEL	CHANNELS / VOICE PATHS	UNITS / CHANNEL
1 - 5	70	1 - 5	80
6 - 10	75	6 - 10	90
11 - 15	80	11 - 15	105
16 - 20	85	16 - 20	120

Agencies requesting additional frequencies must show loading of 70 percent or greater on their existing system. Should a demand for frequencies exist after assignable frequencies become exhausted, any system having frequencies assigned under this Plan four or more years previously and not loaded to at least seventy percent will lose operating authority on one or more frequencies to bring the system into compliance with the 70 percent loading standard. Frequencies relinquished or “Cancelled / Terminated by the FCC, will be reallocated to other agencies to help satisfy the demand for additional frequencies.

When a licensed P25 Phase 1 user upgrades to P25 Phase 2, 6.25 KHz channels or equivalent, no additional channels will be assigned until they would meet channel loading for the number of voice paths in their system. Neither the control channel nor the back up control channel will be considered as they will remain Phase 1. For example, a ten channel system goes from Phase 1 to Phase 2, and all channels were converted to Phase 2, the effective number of channels / voice paths would be sixteen (16). No channel would be taken back by the RPC since Phase 1 user may still be on the system or other P25 Phase 1 agencies may roam onto the system.

Other considerations:

If a new applicant applies as an all Phase 2 system, the number of voice paths would be two voice paths per 12.5 KHz (6.25 KHz channel equivalent) channel pair less the control channel and back up control channel as these still operate in FDMA.

If an existing system upgrades part of the system from Phase 1 to Phase 2, any dedicated Phase 2 channel would count as if they were two channels since it provide two voice path (6.25 KHz equivalency) as far as allocation of new channels. The control channel and back up control channel would be considered Phase 1 FDMA.

7.5.2 Traffic Loading Study for Narrowband Systems

Justification for adding frequencies, or retaining existing frequencies, may be provided by a traffic loading study instead of loading by number of transmitters per channel. It will be the responsibility of the requesting agency to provide a verifiable study showing sufficient airtime usage to merit additional frequencies. A showing of airtime usage, excluding telephone interconnect air time, during the peak busy

hour greater than 70 percent per channel over a three month period will be required to satisfy loading criteria.

7.5.3 Expansion of Existing 800 MHz Systems

Existing 800 MHz systems that are to be expanded to include the 700 MHz frequency spectrum will have to meet the requirements of the FCC and both 800 MHz NPSPAC Region 39 Plan and the Region 39 700 MHz Plan. If the two Region 39 Plans are in conflict, the Plan that gives the applicant the greater flexibility will govern.

8.0 Interoperability & Deployable Channels

8.1 Introduction

The DHS Office of Emergency Communications has defined interoperability as:

The ability of Public Safety responders to share information via voice and data communications systems on demand, in real time, when needed, and as authorized.

The ability for agencies to effectively respond to mutual aid requests directly depends on their ability to communicate with each other. Mutual aid should be encouraged among agencies. This 700 MHz Plan seeks to facilitate the communications necessary for effective mutual aid in the 700 MHz band.

The State of Tennessee has requested Region 39 to administer the 700 MHz interoperability channels. The Region 39 700 MHz Regional Planning Committee will work with the State and the Tennessee Statewide Interoperability Coordinator (SWIC) to help keep interoperability as effective as possible. Region 39 has adopted the ANSI Common Channel Name standard for the interoperability channel names and tones. Region 39 will follow the guidelines in the Tennessee State Communications Interoperability Plan (SCIP) and the Tennessee Radio Interoperability Guide (TRIG). Table of Interoperability Channels in Appendix "E"

8.2 Calling / Tactical Channels

Neither Region 39 nor the State of Tennessee plans at this time to set-aside additional 700 MHz 12.5 KHz channels for interoperability use within the Region. It is anticipated the thirty- two (32) 12.5 KHz FCC designated interoperability channels will be sufficient to provide voice interoperability within Region 39.

In keeping with the Tennessee Radio Interoperability Guide (TRIG) all agencies using radios in the 700 MHz mobile and hand held / portable units operating under this Plan should program all thirty-two interoperability channels plus the "Direct or Simplex" mode into their radios. This applies to operational, cache and spare radio units. Radio console equipped with any of the 700 MHz interoperability channel will display the ANSI standard name.

8.3 Monitoring of 7CALL50 & 7CALL70

700 MHz licensees will be responsible for actively monitoring interoperable calling channels. A licensee deploying a 700 MHz trunked radio system will need to actively monitor either 7CALL 50 or 7CALL70. Exceptions will be made if there is an active 800 MHz, 8CALL90, operational and monitored in their geographic area. Region 39 encourages the deployment of the 700 MHz interoperability Calling or Tactical repeaters to help minimize interference where 800 MHz Calling or Tactical channels are already deployed. Appendix E lists the 700 MHz interoperability channels that should be in each users radio that is 700 MHz capable

8.4 Deployable Systems

Region 39 strongly supports use of deployable communications systems, both conventional and trunked. Deployable systems are prepackaged systems that can deploy by ground or air to an incident to provide additional coverage or capacity. Deployable radio system may be operated on transportable radio towers or on existing structures with the proper FCC authorization.

1. Deployable systems may be licensed to operate under the FCC Rules & Regulation for Fixed Temporary systems, FBT / FB2T / FX1T and applicable FAA Regulations regarding antenna height;
2. Deployable radio system should not exceed 100 W power and 250 watts ERP;
3. Antenna heights on licensed FBT / FB2T systems will be limited to less than 200 feet;
4. Antenna heights greater than 200 feet must have FCC Special Temporary Authorization (STA) prior to operation;
5. Deployable trunked radio systems will have priority when allocating the eight (8) FCC designated Deployable Channels.
6. Deployable Trunked Radio Systems will not use designated Interoperability Channels in the trunked mode.
7. Deployable trunked radio systems may use State Licensed Channels for additional voice channels when approved by the State agency that administers the channels. Adjacent States should be notified if the projected signal level is great than 40 dBu across a state line;
8. State License Channels should not be used for control channels.

In addition to the above, conventional 700 MHz resources may use:

Designated FCC Interoperability channels in accordance with the Region 39 Plan;
Designated State License Channels if approved by the agency that administers the State License Channel;
Frequencies / Channels identified in the Tennessee Radio Interoperability Guide;
Designated FCC “Deployable” channels on a secondary basis to trunked systems.

Deployable Trunked Radio System will NOT utilize the FCC designated Interoperability Channels per the FCC’s Report & Order. Deployable 700 MHz trunked radio resources must use the FCC designated “deployable” trunked channel, for the control channels at a minimum. Existing Deployable communications resources using the State License Channels may continue to operate on those channels unless the State agency that administers the State License Channels FCC license requests otherwise. State License Channel may be utilized for additional voice channel in deployable trunked radio systems with the approval of the State agency that administers the State License Channels . Interoperability channels may NOT be used in trunked systems whether deployable or at a fixed location.

See Appendix I for a table of Deployable channel names, tones and frequencies.

If the ANSI Channel naming standard adopts channels names and tone(s) for the Deployable Channels, Region 39 will abide by the ANSI standard. Region 39 understands that the National Public Safety Telecommunications Council (NPSTC) has released a report, 700 MHz Nationwide Deployable Trunked Solutions: A Report by NPSTC and the NRPC, making recommendations for these deployable channel and their usage. If the FCC adopts the NPSTC recommendations, Region 39 will work to implement the NPSTC recommendations.

Deployable communications resources can help minimize the expense of installing extensive fixed infrastructure in areas while still providing mission critical functionalities as the Region recognizes the difficulty of providing complete coverage in all areas due to financial, demographic and geographical constraints.

Agencies are encouraged to have conventional deployable systems capable of being programmed to any of the FCC designated / State recommended interoperability tactical channels or FCC designated “deployable” channels. Deployable trunked radio systems will use the FCC designated “deployable” channels if sufficient spectrum exists. At a minimum, in deployable trunked radio systems, the control channel and back up control channel should be FCC designated Deployable channels. Coordination with the adjacent states is critical to minimize and mitigate harmful interference.

8.5 Incident Command System Standard

Region 39 supports the National Incident Management System (NIMS) and ICS as designated by the Governors Executive Order # 23, June 28, 2005. Region 39 encourages the OEC Communications Unit Leader (COML) course as well as the Communications Technician (COMT), Radio Operator (RADO), Incident Communications Center Manager (INCM) and other courses as they are developed.

9.0 Regional Planning

9.1 Database Maintenance

The CAPRAD pre-coordination database originally developed channel allotments in each county area within Tennessee utilizing the 2000 U. S. Census data, height above average terrain (HAAT) and public safety use curves generated by the Public Safety Wireless Advisory Committee (PSWAC) to provide spectrally efficient frequency allotments. Region 39 will continue to use the CAPRAD pre-coordination database for all 700 MHz spectrum.

9.2 Dispute Resolution Process (Applicants or Adjacent Regions)

In the event that a dispute arises between Region 39 and an adjacent Region or Regions, regarding spectrum allocations or implementation, which cannot be resolved within 60 days, the parties to the dispute will request a hearing by the National Regional Planning Oversight Committee.

See Appendix H for details and Inter-Regional Dispute Resolution Agreements signed by adjacent Regions 1, 4, 10, 13, 17, 23, 24, 31, 37, 42 and 44.

9.3 Application / Allotments Disputes

If Region 39 forwards an application to an effected adjacent Region for their “concurrence”, an effected adjacent state region may request changes to the application if done so within 10 calendar days of the application being placed into Adjacent State Region Review. If Region 39 and the effected Region cannot come to agreement within 30 days of the date placed into Adjacent State Review, the protesting region may file a Protest in writing, addressed to the Chair or Vice Chair. Once the Chair or Vice Chair receives the protest, an acknowledgement must be sent to the protesting Region. At this point the application will be placed on “Hold” until the Protest can be resolved. The protested application will only be considered if the application does not conform to Region 39 Plan or FCC criteria.

See Appendix H for more information.

If an agency holding an FCC 700 MHz license or application “Pending” at the FCC objects to a proposed allocation due to concerns about potential harmful interference, the objecting agency must notify their Regional Chair or Vice Chair, requesting field tests be done to confirm or refute interference potential. The Regional Chair or Vice Chair receiving the complaint, must notify Region 39 as soon as possible so that the application process can be placed on hold. The completion of these field tests and the results will be sent to both Region chairs. If the applicant fails the field test, changes may be made to the application to mitigate the interference or the application may be Withdrawn. required for Regional application approval. Coverage area service/interference contours of the proposed system(s) should meet values designated in Section 6.1 of this document. Any costs associated with field tests or any other requirements to obtain Region 39 Plan approval are the responsibility of the agency submitting application to Region 39.

The parties involved must resolve the allocation dispute and notify the Region Chair within 30 calendar days. If the parties involved cannot resolve the allocation dispute within that timeframe, then a special full Committee meeting will be scheduled to consider and vote on the protest. The burden of proof will be on the protesting party. The protesting party may be liable for any costs associated with the protest if the complaint is unfounded. If approved, the application will be submitted through the CAPRAD database to the applicant’s chosen FCC-certified frequency coordinator for processing. An application may be placed “On-hold” if the applicant cannot conduct a field test and will remain “On’hold” until the field test can be conducted or changes made to the applications to satisfy the protest.

9.4 Dispute Resolution – Intra-Regional

In the event an agency disputes the implementation of this Plan or the Federal Communications Committee approval of this Plan or parts of this Plan, the agency must notify the Chair of the dispute in writing. This section does not apply to protests over new spectrum allocations (see Section 3.1). The Chair will attempt to resolve the dispute on an informal basis. If a party to the dispute employs the Chair, then the Vice Chair will attempt resolution. In such cases, the Chair shall be deemed to have a conflict of interest and will be precluded from voting on such matters. If after 30 days the dispute is not resolved, the Chair (or Vice Chair) will appoint a Dispute Resolution Committee consisting of two members from the State of Tennessee governmental agencies and at least five members from different counties in Region 39. That committee will select a Chair to head the committee and a secretary to document the proceedings.

The Regional Plan Chair (or Vice Chair) will represent the Region in presentations to the Dispute Resolution Committee. The Committee will hear input from the disputing agency, any effected agencies and the Region Chair. The Committee will then meet in executive session to prepare a recommendation to resolve the dispute. Should this recommendation not be acceptable to the disputing agency/agencies, the dispute and all written documentation from the dispute will be forwarded to the National Regional Planning Oversight Committee, a subcommittee of the National Public Safety Telecommunications Committee (NPSTC) for review. As a last resort, the dispute will be forwarded to the Federal Communications Commission for final resolution.

All eleven adjacent Regions have signed the Region 39 dispute resolution.

9.5 Amendment Process

Amendments to the Region 39 Plan will be made at Region 39 RPC meetings. All amendments will be voted on and passed or rejected by a simple majority vote. The Chairman or his designee will make the appropriate changes to the Plan and notify the adjacent Regions for their concurrence. Once the concurrences are received from the adjacent Regions, the Plan will be certified and filed, by the Chairperson, with the FCC for approval. Electronic filing will be the preferred method.

9.6 Meeting announcements

Meeting announcements will be made per the Region 39 By Laws. Region 39 will utilize Public Notices issued by the FCC, email to individual, associations, agencies and vendors, verbal announcements at meetings and / or appropriate publications.

9.7 Resources for Reference

Appendix K contains a list of the 700 MHz Channel pairs, Channel centers at 25 KHz, 12.5 KHz and 6.25 KHz, Channel Numbers and Allocations.

Appendix L contains a list of the 700 MHz Air to Ground Channels. These are the former Secondary Trunking channels. The Air to Ground channels are administered by the State.

www.PublicSafetTools.info

www.npstc.org

10.0 Certification

I hereby certify that all regional planning committee meetings were open to the public. A summary of the deliberations of the Committee pursuant to adopting this Plan can be found in Appendix D, Meeting attendance, agendas and other events.

Jesse D. Griggs

Chairman, Region 39
November 4, 2015

Appendices

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Appendix A

Bylaws of the 700 MHz Regional Planning Committee Region 39 (State of Tennessee)

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Appendix A

Bylaws of the 700 MHz Regional Planning Committee- Region 39 (State of Tennessee)

Adopted

Revised September 16, 2002

Revised December 7, 2004

Revised June 2, 2005

Revised December 18, 2007

Revised February 15, 2012

Revised July 30, 2015

BYLAWS OF REGION 39 700 MHz RPC

1.0 NAME & PURPOSE

1.1 Name and purpose.

The name of this Region shall be Region 39 700 MHz Regional Planning Committee. Its primary purpose is to foster and promote cooperation, planning, development and evolution of Regional Plans and the implementation of these plans in the 700 MHz Public Safety Band within the State of Tennessee.

2.0 MEMBERS

For purposes of this document, the term “member,” unless otherwise specified, refers to both voting and non-voting members.

2.1 Numbers, Election and Qualification.

The Regional 39 700 MHz Regional Planning Committee shall have two classes of members, “voting members” and “non-voting members.” New members may be added at annual, special, or regular meetings. Tools to promote participation and involvement in the Region 39 700 MHz Committee in the form of a list-serve and/or regional newsletters will be researched by the committee. A newsletter may be distributed in either electronic or in print form.

Voting Members.

Voting members shall consist of one (1) representative from any single agency engaged in public safety eligible to hold a license under 47 CFR 90.20, 47 CFR 90.523 or 47 CFR 2.103 and are employed or volunteer in public safety, a person retired from a Public Safety agency with no commercial conflicts of interest and reside in Region 39. A single agency shall be allowed no more than one vote for each distinct eligibility category (e.g. police, fire, EMS, EMA, highway) within the agency’s organization or political jurisdiction. In voting on any issue, the individual must identify himself/herself and the agency and eligibility category in which he or she represents. Retired public safety and APCO Life who are eligible to vote, may vote on behalf of the agency / department they have retired from if the Agency has given them permission to represent their former agency. Voting members may not vote on issues involving their entity.

Non-Voting Members.

Non-voting members are all other non-public safety personnel interested in furthering the goals of public safety communications. This includes vendors and those with a business conflict of interest.

2.2 Dual Membership.

A voting member may not be a voting member of another Region.

Since Region 39 has several large cities on or near state borders, some members may want to participate in another committee. It is permissible to be a non-voting member in another Region and be a voting member in Region 39 as long as the Voting Member requirements are met as set forth in section 2.1.

2.3 Tenure.

In general, each member shall hold MEMBERSHIP from the date of acceptance until resignation, removal or no longer wishes to participate.

2.4 Powers and Rights.

In addition to such powers and rights as are vested in them by law, or these bylaws, the members shall have such other powers and rights as the membership may determine.

2.5 Suspensions and Removal.

A representative may be suspended or removed with cause by vote of a majority of members after reasonable notice and opportunity to be heard. Region 39 will hold at least one (1) meeting in a calendar year. To retain consistent voting rights, members should attend one (1) meeting in a 24-month period. After the date of approval of this Regional Plan by the Federal Communications Commission, all previous attendees are voting members, with the exception of non-voting commercial members. After the acceptance of this Regional Plan, voting members that do not attend one meeting in a 24-month period that starts on the date of Plan acceptance, will lose Region 39 voting rights for either a 6 month period or when the member attends the next Regional Planning Committee meeting, whichever comes first. Attending a meeting is all that is required to immediately reinstate voting members voting rights. The loss of voting rights does not remove a member from active status; it simply requires attendance at a meeting (Special or Regular) to reinstate voting privileges. The voting limitations of an individual have no effect on the voting ability of a public safety entity. The public safety entity reserves the right to send another representative to vote on issues regarding 700 MHz implementation, or send the original voting representative to the next special or regular meeting.

A vote of the committee is the final determining factor regarding removal of a member from Region 39. A period of 6 months from the first day of removal is required before a removed member is eligible for reinstatement for membership in the Regional Planning Committee.

2.6 Resignation.

A member may resign by delivering written resignation to the chairman, vice-chairman, treasurer or secretary of the Regional Committee or to a meeting of the members. A resigning member is eligible for reinstatement to the Regional Planning Committee after a period of six months has lapsed, beginning on the first day of resignation.

2.7 Meetings.

The Region 39 700 MHz Planning Committee will meet no less than one (1) time per calendar year. A minimum notification of thirty (30) days will be given. The annual meeting may be held in Nashville, Tennessee area but may be held elsewhere in the State. This is centrally located within Region 39 and will provide the maximum opportunity for Regional participation. Any additional meetings may be located in a

different city or town within the Region to attract and promote involvement in the committee. The Annual meeting should be held in the last quarter of calendar year and will be set the Chairperson. Committee meetings will not be held on holidays or weekend days, unless called by the Region 39 Chairperson or as part of a public safety conference. At any time and when deemed necessary by the Chairperson, an additional meeting of the Region 39 Regional Planning Committee may be called. Video and/or Audio Teleconferencing may be conducted at meetings to include as many people as possible in the 700 MHz allocation process. The use of electronic E-mail will be utilized by members and officers of Region 39 as needed to convey Regional issues at hand. It should be noted the use of E-mail does not remove the voting eligibility requirement of the member to participate in at least one (1) of the Region 39 annual meeting.

2.8 Special Meetings.

The Chairperson has the authority to call a meeting of the Regional Planning Committee when he deems it in the best interest of the Region and will provide notice of the special meeting to existing members of the Region (and the public) at least 5 days prior to the meeting. Special meetings of the members may be held at any time and at any place within the Regional Committee area. Special meetings of the members may be called by the chairman or by the vice-chairman, or in case of death, absence, incapacity, by any other officer or, upon written request of two or more members.

2.9 Call and Notice.

A. Annual meeting

Reasonable notice of the time and place of scheduled meetings of the members, not being less than 30 days, shall be given to each member. Such notice may specify the purposes of a meeting, but will specify meeting content if required by law or these bylaws or unless there is to be considered at the meeting (i) amendments to these bylaws or (ii) removal or suspension of a member who is an officer. Announcements of meetings, stating the time and place where the meeting is to be held, may be published in newspapers, land mobile radio periodicals, and disseminated via E-mail and other electronic forms such as Tennessee Information Enforcement System. In addition, a press release may be issued, urging parties interested in public safety communications to attend.

Region 39 will notify the Federal Communications Commission, Chief of the Wireless Telecommunications Bureau or his designee, when a meeting time and place has been established for the Region 39 700 MHz Regional Planning Committee at least 30 days prior to the meeting.

B. Reasonable and sufficient notice

Except as otherwise expressly provided, it shall be reasonable and sufficient notice to a member to send notice by mail at least five days or by e-mail/facsimile at least three days before any special meetings, addressed to such member at his or her usual or last known business address, or, to give notice to such member in person or by telephone at least three days before the meeting.

2.10 Quorum

At any meeting of the members, a majority of the officers and a minimum of at least three (3) voting members shall constitute a quorum. Any meeting may be adjourned to such date or dates not more than sixty days after the first session of the meeting by a majority of the votes cast upon the question, whether or not a quorum is present, and the meeting may be held as adjourned without further notice.

2.11 Action by Vote

Each voting member, representing a particular agency (one vote per agency) shall have one vote; non-voting members have no voting rights. When a quorum is present at any meeting, a majority of the votes

properly cast by voting members present shall decide any question, including election to any office, unless otherwise provided by law or these bylaws.

2.12

Action by Writing. Any action required or permitted to be taken at any meeting of the members may be taken without a meeting if all members entitled to vote on the matter consent to the action in writing and the written consents are filed with the records of the meetings of the members. Such consents shall be treated for all purposes as a vote at a meeting.

2.13 Proxies

Voting members may vote either in person or by written proxy dated not more than one week before the meeting named therein, which proxies shall be filed before being noted with the secretary or other person responsible for recording the proceedings of the meeting. A RPC member present via teleconference (audio or video) shall have voting status parallel to a member present at the meeting. If the facility is unable to accommodate teleconferencing (audio or video), or for any other reason teleconferencing cannot be accommodated in the meeting place, it is the responsibility of the member to attend the meeting in person or to vote by written proxy to have full voting rights. Unless otherwise specifically limited by their terms, such proxies shall entitle the holders thereof to vote at any adjournment of the meeting for which the proxy exists and the proxy shall terminate after the final adjournment of such meeting.

2.14 Voting on One's Own Application

At no time can a voting member vote on his/her application.

2.15 Special Interest Voting.

A voting member cannot have a commercial interest in any of his/her Region and/or adjacent Region's application(s) on which he/she is reviewing, approving and/or voting.

3.0 OFFICERS AND AGENTS

3.1 Number and qualification

The officers of the Region 39 700 MHz Regional Planning Committee shall consist of a chairman, a vice-chairman and a secretary. If needed, a treasurer will be appointed by the Chair. The Chair and Vice Chair must be voting members of the Regional Committee.

3.2 Election

The officers shall be elected by the voting members at their first meeting and, thereafter, at a meeting determined by the membership. The terms of the officers in the Region 39 700 MHz RPC will be for two (2) years. In order to allow for consistency in the Plan creation and initialization process, the terms of elected officers will begin on the date of the FCC's approval of the Region 39 Plan.

3.3 Tenure

The officers shall each hold office until the biannual election meeting of the members held within two years from the adoption of these bylaws, or until their successor, if any, is chosen, or in each case until he or she sooner dies, resigns, is removed or becomes disqualified. The biannual election will take place in the odd number years; i.e. 2011, 2013, 2015, etc.

3.4 Chairman and Vice Chairman.

The chairman shall be the chief executive officer of the Regional Committee and, subject to the control of the voting members, shall have general charge and supervision of the affairs of the Regional Committee.

The chairman shall preside at all meetings of the Regional Committee, The Vice Chairman, if any, shall have such duties and powers, as the voting members shall determine. The review and approve adjacent Region Plans if no conflicts are determined, respond to the FCC on behalf of the RPC if a meeting in not needed or not enough time to call a meeting, represent the RPC at meetings of the National Regional Planning Council (NRPC) or other RPC meetings. Vice-Chairman shall have and may exercise all the powers and duties of the chairman during the absence of the chairman or in the event of his or her inability to act.

3.5 Treasurer

The treasurer shall be the chief financial officer and the chief accounting officer of the Regional Committee. The treasurer shall be in charge of its financial affairs, funds, and valuable papers and shall keep full and accurate records thereof. In the absence of a treasurer within the Region 39 700 MHz Planning Committee, the Chairperson shall assign Region 39 treasurer duties as deemed necessary. If the Committee has no funds, a treasurer will not be needed.

3.6 Secretary.

The secretary shall record and maintain records of all proceedings of the members in a file or series of files kept for that purpose, which file or files shall be kept within the Region and shall be open at all reasonable times to the inspection of any member. Such file or files shall also contain records of all meetings and the original, or attested copies, of bylaws and names of all members and the address (including e-mail address, if available) of each. If the secretary is absent from any meeting of members, a temporary secretary chosen at the meeting shall exercise the duties of the secretary at the meeting. In the absence of a secretary within the Region 39 700 MHz Planning Committee, the Chairperson shall assign Region 39 Secretary duties as deemed necessary and may appoint a non-voting member.

3.7 Combining the office of Treasurer and Secretary

If so decided by the Membership of Region 39, the duties of Treasurer and Secretary may be combined into one office.

3.8 Committees – Standing or Appointed

There shall be two standing committees. Technical / Implementation and, Interoperability. Other committees may be appointed as deemed necessary by the Chair or RPC. Non-voting members may serve on the committees or Chair a committee.

3.9 Executive Board

The Executive Board will be made up of the Chair, Vice Chair, Secretary and the Chairs of the two Standing Committees. The purpose of the board will be to assist and give guidance to the Chair, review adjacent Region plans or review FCC filings if needed, help hold the Chair accountable to the Region 39 RPC.

3.10 Suspensions or Removal.

An officer of the Region 39 Regional Planning Committee may be suspended with cause by vote of a majority of the voting members in attendance.

3.11 Resignation. An officer may resign by delivering his or her written resignation to the chairman, vice-chairman, treasurer, or secretary of the Regional Committee. Such resignation shall be effective upon receipt (unless specified to be effective at some other time), and acceptance thereof shall not be necessary to make it effective unless it so states.

3.12 Vacancies.

If the office of any officer becomes vacant, the voting members may elect a successor. Each such successor shall hold office for the remainder of term, and in the case of the chairman, vice chairman, treasurer and / or secretary until his or her successor is elected and qualified, or in each case until he or she sooner dies, resigns, is removed or become disqualified.

4.0 AMENDMENTS

These bylaws may be altered, amended or repealed in whole or in part by vote. The voting members may by a two-thirds vote of a quorum, alter, amend, or repeal any bylaws adopted by the Regional Committee members or otherwise adopt, alter, amend or repeal any provision which FCC regulation or these bylaws requires action by the voting members.

5.0 DISSOLUTION

This Regional Committee may be dissolved by the consent of two-thirds plus one of an assembled quorum of the membership at a special meeting called for such purpose. The FCC shall be notified.

6.0 RULES OF PROCEDURES

The Conduct of Regional Meetings including debate and voting, shall be governed by Simple Parliamentary Procedure, Martha Nall, published by the University of Kentucky, College of Agriculture, Cooperative Extension Service, Publication # IP-15, Copyright 2000.

Appendix B

Membership and Meeting Attendees 2012 – 2015

Region 39 700 MHz RPC Meeting Attendees 2012, 2013, 2014, 2015

Name	Agency	Phone	Email
Adam Strode	Trinity Marketing Services (ICOM)	615 395 9977	adam@tmsse.com
Allen Kyker	Washington Co SO	423 753 3268	allen_kyker@yahoo.com
Ann Rita Ditmore	Central Communications	865 525 2308	aditmore@centralcommwireless.com
Arnold Hooper	TN Highway Patrol	615 306-8548	Arnold.hooper@tn.gov
Bill Fitzgerald	TN Dept of Safety	615 743 3907	bill.fitzgerald@tn.gov
Bill Terry	Murfreesboro Police	615 971 6149	wterry@ci.murfreesboro.tn.us
Brian Jones	TN Dept of Safety	615 969 4869	brian.jones@tn.gov
Bruce D. lee	City of Memphis	901 320 5330	bruce.lee@memphistn.gov
Butch Coulter	Williamson Co Public Safety Dept	615 887 3198	johnc@williamson-tn.org
Charlie Knickerbocker	City of Clarksville Fire Rescue	931 206-7221	cknickerbocker@cityofclarksville.com
Charlie Phipps	TN Wildlife Resource Agency	615 478 9935	charlie.phipps@tn.gov
Chris R. Smith	Coffee Co. EMA	931 397 6269	csmith@coffeecountytnema.org
Collin Ickes	Knoxville EMA	865 215 1166	cickes@cityofknoxville.org
Dale White	TN Wildlife Resources Agency	731 423 5725	dale.white@tn.gov
David Townsend	City of Collierville	901 457 2563	dtownsend@ci.collierville.tn.us
David W. Purkey	TEMA/OHS	615 741-0001	david.purkey@tn.gov
David Wolfe	TN Emergency Mgmt. Agency	615 741-2749	dwolfe@tnema.org
Don Masson	TN Dept. of Correction	615 253-6360	donald.l.masson@tn.gov
Ehrin Ehlert	TN Dept of Safety	615 743 4963	ehrin.ehlert@tn.gov
Jason Morton	MTSU Public Safety	615 898 2424	jason.morton@mtsu.edu
Jeff Gray	Regional Medical Control Center (RMCC) 5	615 322 8066	jeffery.l.gray@vanderbilt.edu
Jeff Miller	Motorola	615 504-2277	jeff.miller@motorolasolutions.com
Jesse Griggs	TN Dept. of Correction	615 350-1930	jesse.d.griggs@tn.gov
Jim Fanguy	Retired Public Safety	615 330 5298	fanguyj@gmail.com
Jim Snyder	Knox Co. EMA	865 690 7461	aj4no@comcast.net
Jody Clinard	Metro Nashville Radio Comms	615 862 8561	jody.clinard@nashville.gov
Joe Gourley	Rutherford Co EMA	615 898 7764	kgourley@rutherfordcountyttn.gov
Joe Morgan	Fentress County Rescue Squad	931 397 6269	mcgrogj@yahoo.com
John Johnson	Retired Public Safety	615 604-3683	publicsafetyradio@comcast.net
John Moyers	TN Dept. of Health Emergency Medical Services	615 532-5989	John.W.Moyers@tn.gov
John O'Connor	Memphis	901 569-2776	john.oconnor@memphistn.gov
Laina Stanford	TN Dept of Health	615 290 0933	laina.stanford@tn.gov
Louis Friedmann	TN Emergency Mgmt. Agency	615 741-0985	lfriedmann@tnema.org

Marv Rosseau	TN Dept of Safety	615 613 3689	marv.rosseau@tn.gov
Mike Griffin	TN Dept. of Transportation	615 350-3430	dennis.griffin@tn.gov
Mike Harris	TN Emergency Mgmt. Agency	615 815-7697	mharris@tnema.org
Mike Mahaffey	City of Chattanooga	423 643-5236	mahaffey_m@chattanooga.gov
Mike McKeever	Erlanger Region 3 RMCC	423 778-3656	mike.mckeever@erlanger.org
Patrick Rollins	City of Chattanooga / TVRCS	423 643 5236	rollins_p@chattanooga.gov
Randy Hicks	TN Dept. of Correction	615 350-1931	randolph.E.hicks@tn.gov
Richard Cross	Fentress County	931 445-6911	rcross@multipro.com
Richard Hall	Vanderbilt Life Flight	615 330-5427	richard.hall@vanderbilt.edu
Richard Land	Davidson Co. Rescue Squad/TARS	615 604 4831	richardland@comcast.net
Rick Neathery	TN Dept. of Correction	615 350-1932	rick.neathery@tn.gov
Sonny Martin	Knox County Sheriff's Office	865 215 5621	kcco.sonny@gmail.com
Stephen Philyaw	TN Dept of Safety	615 517 9097	stephen.philyaw@tn.gov
Terry Moore	Shelby County	901 508-2956	william.moore@shelby.sheriff.org
Tim Dover	TN Highway Patrol	615 218-0297	tim.dover@tn.gov
Tim Morrow	Memphis PD	901 320 5330	tim.morrow@memphistn.gov
Tony Smith	Shelby County SO	901 222-5850	tony.smith@shelby.sheriff.org
Wayne Farro	Codan Radio Communications	615 584 7856	Wayne.farro@codanradio.com

Appendix C

List of counties areas within Region 39

General Pool channel allotments are allotted by “County Areas” in Region 39

The 95 Counties of Tennessee

County	County	County	County	County
Anderson	Decatur	Hickman	Meigs	Stewart
Bedford	Dickson	Houston	Monroe	Sullivan
Benton	Dyer	Humphreys	Montgomery	Sumner
Bledsoe	Fayette	Jackson	Moore	Tipton
Blount	Fentress	Jefferson	Morgan	Trousdale
Bradley	Franklin	Johnson	Obion	Unicoi
Campbell	Gibson	Knox	Overton	Union
Cannon	Giles	Lake	Perry	Van Buren
Carroll	Grainger	Lauderdale	Pickett	Warren
Carter	Greene	Lawrence	Polk	Washington
Cheatham	Grundy	Lewis	Putnam	Wayne
Chester	Hamblen	Lincoln	Rhea	Weakley
Claiborne	Hamilton	Loudon	Roane	White
Clay	Hancock	McMinn	Robertson	Williamson
Cocke	Hardeman	McNairy	Rutherford	Wilson
Coffee	Hardin	Macon	Scott	
Crockett	Hawkins	Madison	Sequatchie	
Cumberland	Haywood	Marion	Sevier	
Davidson	Henderson	Marshall	Shelby	
DeKalb	Henry	Maury	Smith	

Appendix D

Chronology of Plan Development

Meeting minutes, agendas and other events where 700MHz information were disseminated.

Date	Description of Significant Action
May 8, 2001	Initial Meeting called by Convener, John Johnson, NPSPAC 800 MHz Chairman, is held at the TN Wildlife Resources Agency in Nashville. Bill Pogue, TN Dept of Safety is elected Chairman.
April 8, 2002	Second meeting held in conjunction with PSWN Interoperability Conference at the Gaylord Opryland Hotel and Convention Center. Committees hold first meeting.
April 3, 2003	John Johnson, Vice-Chairman, notifies FCC that Chairman Bill Pogue has left State government and is no longer involved in Public Safety. John Johnson becomes the Chairman until next meeting at which time an election will be held.
October 2003	Chairman Johnson attends CAPRAD training
December 11, 2003	Third meeting conducted at TN Wildlife Resources Agency in Nashville. John Johnson is elected Chairman. First 4.9 GHz committee meeting held.
October 2004	Seven Region 39 members attend Regional Planning Colloquium in Denver.
December 7, 2004	Fourth meeting is conducted at TN Bureau of Investigation HQ in Nashville. John Johnson re-elected Chairman. First State Interoperability Executive Committee meeting conducted in conjunction with the 4.9 GHz committee and the 800 MHz NPSPAC committee. These meetings were conducted over two days.
March 2005	Seven Region 39 members attend Regional Planning Colloquium in St. Louis
May 3 – 4, 2005	CAPRAD training is held in Nashville
June 2, 2005	Fifth meeting is conducted at TN Bureau of Investigation HQ in Nashville. The committee approves the Plan. The Plan will be distributed to the Adjacent Regions for concurrence and agreement to the dispute resolution.
June 11, 2005	Region 39 Plan mailed / UPS to adjacent Regions for concurrence
Nov. 15, 2005	Received final LOC & Dispute Resolution. All eleven adjacent Regions have approved.
Dec. 13, 2005	Plan submitted to the FCC.
June 27, 2006	FCC Approves Region 39 Plan DA 06-1318
February 6, 2007	Region 39 holds special called meeting to discuss 9th NPRM
February 26, 2007	Region 39 files 9th NPRM comments
May 23,	Region 39 files comments on Notice of Proposed Rule Making

2007	
December 18, 2007	Region 39 holds 2007 annual meeting to revise 700 MHz Plan to conform with FCC Report & Order 07-132.
December 19, 2007	Revised plan sent to adjacent regions.
January 31, 2008	Plan revision filed with FCC
June 6, 2008	FCC approves Region 39 Plan update
December 4, 2008	Region 39 holds 2008 annual meeting
March 18, 2009	Plan revision filed with FCC
August 6, 2009	FCC approves Region 39 Plan update
Dec. 8, 2010	Region 39 holds 2010 meeting
Feb. 15, 2012	Region 39 hold 2011 annual meeting postponed from Dec. 2011
Nov. 8, 2012	Region 39 holds 2012 annual meeting
Dec, 18, 2013	Region 39 holds 2013 annual meeting. John Johnson advises he will not seek re-election. Jesse Griggs elected chair.
Dec. 17, 2014	Region 39 holds 2014 annual meeting
July 30, 2015	Region 39 meets to discuss FCC required Plan changes and other needed Plan updates
Nov.4, 2015	Region 39 meets to review and approve updated Plan.
	Revised Plan submitted to the FCC FCC approved revised Plan.

Appendix E

Table of 700 MHz Interoperability Channels

All channels mandatory

ANSI Channel Name	MO RX	RX NAC	MO TX	TX NAC	Description
7CALL50	769.24375	\$293	799.24375	\$293	Calling Channel
7CALL50D	769.24375	\$293	769.24375	\$293	Calling Channel (Simplex)
7TAC51	769.14375	\$293	799.14375	\$293	General Public Safety
7TAC51D	769.14375	\$293	769.14375	\$293	General Public Safety (Simplex)
7TAC52	769.64375	\$293	799.64375	\$293	General Public Safety
7TAC52D	769.14375	\$293	769.14375	\$293	General Public Safety (Simplex)
7TAC53	770.14375	\$293	800.14375	\$293	General Public Safety
7TAC53D	770.14375	\$293	770.14375	\$293	General Public Safety (Simplex)
7TAC54	770.64375	\$293	800.64375	\$293	General Public Safety
7TAC54D	770.64375	\$293	770.64375	\$293	General Public Safety (Simplex)
7TAC55	769.74375	\$293	799.74375	\$293	General Public Safety
7TAC55D	769.74375	\$293	769.74375	\$293	General Public Safety (Simplex)
7TAC56	770.24375	\$293	800.24375	\$293	General Public Safety
7TAC56D	770.24375	\$293	770.24375	\$293	General Public Safety (Simplex)
7GTAC57	770.99375	\$293	800.99375	\$293	Other Public Service
7GTAC57D	770.99375	\$293	770.99375	\$293	Other Public Service (Simplex)
7MOB59	770.89375	\$293	800.89375	\$293	Mobile Repeater
7MOB59D	770.89375	\$293	770.89375	\$293	Mobile Repeater (Simplex)
7LAW61	770.39375	\$293	800.39375	\$293	Law Enforcement
7LAW61D	770.39375	\$293	770.39375	\$293	Law Enforcement (Simplex)
7LAW62	770.49375	\$293	800.49375	\$293	Law Enforcement
7LAW62D	770.49375	\$293	770.49375	\$293	Law Enforcement (Simplex)
7FIRE63	769.89375	\$293	799.89375	\$293	Fire Service
7FIRE63D	769.89375	\$293	769.89375	\$293	Fire Service (Simplex)
7FIRE64	769.99375	\$293	799.99375	\$293	Fire Service
7FIRE64D	769.99375	\$293	769.99375	\$293	Fire Service (Simplex)
7MED65	769.39375	\$293	799.39375	\$293	EMS
7MED65D	769.39375	\$293	769.39375	\$293	EMS (Simplex)
7MED66	769.49375	\$293	799.49375	\$293	EMS
7MED66D	769.49375	\$293	769.49375	\$293	EMS (Simplex)
7DATA69	770.74375	\$293	800.74375	\$293	Mobile Data (Voice Secondary)
7DATA69D	770.74375	\$293	770.74375	\$293	Mobile Data (Simplex) (Voice 2nd)

ANSI Channel Name	MO RX	RX NAC	MO TX	TX NAC	Description
7CALL70	773.25625	\$293	803.25625	\$293	Calling Channel
7CALL70D	773.25625	\$293	773.25625	\$293	Calling Channel (Simplex)
7TAC71	773.10625	\$293	803.10625	\$293	General Public Safety
7TAC71D	773.10625	\$293	773.10625	\$293	General Public Safety (Simplex)
7TAC72	773.60625	\$293	803.60625	\$293	General Public Safety
7TAC72D	773.60625	\$293	773.60625	\$293	General Public Safety (Simplex)
7TAC73	774.10625	\$293	804.10625	\$293	General Public Safety
7TAC73D	774.10625	\$293	774.10625	\$293	General Public Safety (Simplex)
7TAC74	774.60625	\$293	804.60625	\$293	General Public Safety
7TAC74D	774.60625	\$293	774.60625	\$293	General Public Safety (Simplex)
7TAC75	773.75625	\$293	803.75625	\$293	General Public Safety
7TAC75D	773.75625	\$293	773.75625	\$293	General Public Safety (Simplex)
7TAC76	774.25625	\$293	804.25625	\$293	General Public Safety
7TAC76D	774.25625	\$293	774.25625	\$293	General Public Safety (Simplex)
7GTAC77	774.85625	\$293	804.85625	\$293	Other Public Service
7GTAC77D	774.85625	\$293	774.85625	\$293	Other Public Service (Simplex)
7MOB79	774.50625	\$293	804.50625	\$293	Mobile Repeater
7MOB79D	774.50625	\$293	774.50625	\$293	Mobile Repeater (Simplex)
7LAW81	774.00625	\$293	804.00625	\$293	Law Enforcement
7LAW81D	774.00625	\$293	774.00625	\$293	Law Enforcement (Simplex)
7LAW82	774.35625	\$293	804.35625	\$293	Law Enforcement
7LAW82D	774.35625	\$293	774.35625	\$293	Law Enforcement (Simplex)
7FIRE83	773.50625	\$293	803.50625	\$293	Fire Service
7FIRE83D	773.50625	\$293	773.50625	\$293	Fire Service (Simplex)
7FIRE84	773.85625	\$293	803.85625	\$293	Fire Service
7FIRE84D	773.85625	\$293	773.85625	\$293	Fire Service (Simplex)
7MED86	773.00625	\$293	803.00625	\$293	EMS
7MED86D	773.00625	\$293	773.00625	\$293	EMS (Simplex)
7MED87	773.35625	\$293	803.35625	\$293	EMS
7MED87D	773.35625	\$293	773.35625	\$293	EMS (Simplex)
7DATA89	774.75625	\$293	804.75625	\$293	Mobile Data (Voice Secondary)
7DATA89D	774.75625	\$293	774.75625	\$293	Mobile Data (Simplex) (Voice 2nd)

Project 25 Common Air Interface Interoperability Channel Technical Parameters

Certain common P25 parameters need to be defined to ensure digital radios operating on the 700 MHz Interoperability Channels can communicate. This is analogous to defining the common CTCSS tone used on NPSPAC analog Interoperability channels.

Network Access Code

Region 39 will use Network Access Code (NAC) 293 for all FCC identified 700 MHz interoperability voice channels. When writing a NAC, the \$ is representative of NAC e.g. \$293.

The use of NAC code \$293 is required for the 700 MHz Interoperability Channel for both transmit and receive.

Talk group ID

In the Project 25 Common Air Interface definition, the Talk group ID on conventional channels is analogous to the use of talk groups in trunking. In order to ensure that all users can communicate, all units should use a common Talk group ID.

Recommendation: Use P25 default value for Talk group ID = \$0001

Manufacturer's ID

The Project 25 Common Air Interface allows the ability to define manufacturer specific functions. In order to ensure that all users can communicate, all units should not use a specific Manufacturer's ID, but should use the default value of \$00.

Message ID

The Project 25 Common Air Interface allows the ability to define specific message functions. In order to ensure that all users can communicate, all units should use the default Message ID for unencrypted messages of \$00000000000000000000.

Encryption Algorithm ID and Key ID

The Project 25 Common Air Interface allows the ability to define specific encryption algorithms and encryption keys. In order to ensure that all users can communicate, encryption should not be used on the Interoperability Calling Channels, all units should use the default Algorithm ID for unencrypted messages of \$80 and default Key ID for unencrypted messages of \$0000. These same defaults may be used for the other Interoperability channels when encryption is not used.

Use of encryption is allowed, but not encouraged, on the Tactical channels only, not on the Calling Interoperability channels.

Appendix F

700 MHz Channel Assignment Guidelines

For applications, channel assignments will be based on a defined service area of each site on the application. For public safety entities this will normally be a geographically defined area such as city, county or region. Fixed sites defined by a latitude & longitude with the associated mobiles operating around a site, e.g. 64 Km around Location 1. All frequencies are shared by other public safety agencies. Co-channel frequency assignments (different applicants) will be geographically separated, typically not less than 55 miles/88 Km and no more than 70 miles/113 Km. Two sites could share the same frequency less than 50 miles separation, if the terrain is sufficient to block the fixed sites from “seeing” each other as well as the mobiles operating in their jurisdictional area cannot “see” the other site that is co-channel. The FCC may require additional supporting documentation if the sites are less than 55 miles/88 Km.

Power/ERP should be kept at the least power possible balanced by having enough power/ERP to cover the jurisdictional area that needs to be have coverage. The FCC does limit the ERP of a site, based on the Height Above Average Terrain, HAAT.

The FCC limits the maximum field strength to 40 dB relative to 1 V/m (customarily denoted as 40 dB μ). It is assumed that this limitation will be applied similarly to the way it is applied in the 806-815/851-860 MHz band. That is, a 40 dB μ field strength can be deployed up to a defined distance from the edge of the service area, based on the size of the service area or type of applicant, i.e. city, county, regional or statewide system. The value of 40 dB μ corresponds to a signal of -92.7 dBm, received by a half-wavelength dipole ($\lambda/2$) antenna. The thermal noise floor for a 6.25 kHz receiver would be in the range of -126 dBm, so there is a margin of approximately 33 dB available for “noise limited” reliability.

Applicants should use the emission(s) provide by the manufacturer of the radio equipment. Often the fixed site emission will be different from the mobile/hand held radio equipment.

For co-channel assignments (same frequency), the 40dB μ contour will be allowed to extend beyond the defined service area by up to 5 miles, depending on the type of environment, urban, suburban or low density. The interfering co-channel 22 dB μ will be allowed to touch but not overlap the 40dB μ contour of the system being evaluated.

All contours (Co-channel or Adjacent channel may utilize the following the below contour modeling: Longly Rice (50,50; Climate Zone: Continental Temperate; Service Application: Mobile; 30” Terrain Data or better, 15” or better preferred.)

Okumura (Area Type: Open, No Land Use Attenuation, 30” Terrain Data or better, 15” or better preferred).

Region 39 will not be evaluating “in-building” coverage, but the general coverage over the geographically defined area as it related to other co-channel users within 70 mile/ 113 Km and adjacent channel user within 40 miles / 64 Km.

Region 39 will try to adhere to the same or exceed the coordination criteria the Certified Frequency Coordinators utilize.

An adjacent Interfering (12.5 kHz) channel should be allowed to have its 60 dB \square contour touch but not overlap the 40 dB \square contour of a system being evaluated. Evaluations should be made in both directions. As more information become available about 12.5 KHz adjacent channel usage, these parameters may change to reflect the technology.

The CAPRAD frequency sort method is only adequate for presorting large blocks to potential entities. In order to recommend the most appropriate channel pair, a more detailed analysis should be executed Than of just mileage separation. Issues that may need to be taken into consideration of an applicaotion are:

- Degree of Service Area Overlap
- Different size of Service Areas
- Different ERP's and HAAT's
- Actual Terrain and Land Usage
- Differing User Reliability Requirements
- Migration from Project 25 Phase 1 to Phase 2
- Balanced Systems, talk out vs. talk back
- Mobiles vs. Portables
- Use of voting
- Use of simulcast or multicast
- Radio specifications
- Simplex Operation
- Proximity of users, especially in simplex mode

While most of the spectrum in the 700 MHz narrowband will be utilized in trunked radio systems, the use of simplex operation does not need to be overlooked. Some locations, such as a jail, my want to use a 700 MHz base / mobile system rather than a mobile relay. Plus all of the 32 interoperability can be used in the simplex mode of operation as reflected in the Interoperability Table in Appendix E . In the simplex mode, an interferer can be on an offset adjacent channel and in extremely close proximity to the victim receiver. This is especially critical in public safety where simplex operations are frequently used at a fire scene or during police operation. This type operation is also quite common in the lower frequency bands. In those cases, evaluation of base-to-base as well as mobile-to-mobile interference should be considered and evaluated.

Some user in Region 39 have reported that while in the simplex mode, talking mobile radio to mobile radio going down a road, that the P25 radios have gone into error correction when the two vehicle were stopped at a traffic light in very close proximity of each other. Going to the "Low Power" mode on the mobile radio resolved the problem. This is one example of co-channel interference due to the receiver being overloaded by someone operating too close.

If possible the applicant should include a coverage prediction map, what vendor or computer program generated the map, the talk out and talk back signal levels in dBu, a 40 dBu, 22 dBu and a 10 dBu contour should be displayed on the coverage map or on a separate map and any other pertinent information to help the Region understand and process the application. If the coverage prediction maps provided to the Region do not coincide with the program used by the Region, then a coverage maps using the current version of TIA/EIA TSB 88 guidelines, must be provided.

Application Distribution / Coordination moved to Appendix F

The Chair or Vice Chair will distribute the application request to all other necessary member and adjacent Regions with allotments in the Plan for review and approval. Absent a protest, the Regional Planning Committee will approve the application and (if applicable), submit it, through the CAPRAD database system, to the applicant's preferred FCC certified Frequency Coordinator for processing. This process meets the requirements of FCC Rule 90.176 (c). If the Region determines that the application does not reflect the Region 39 Plan, the application will be returned to the applicant. Changes to the application may be made during the application process so that the application is not rejected if the applicant requests the changes or approves, in an email or other writing, changes to be made.

If the application is approved by Region 39 and forwarded to the requested FCC Frequency Coordinator and they find an error, the Chair may approve the correction if it does not negatively affect the applicants requested coverage, otherwise, the applicant must approve the change.

A PDF copy of the approved application will be uploaded to CAPRAD if it is a non CAPRAD submission along with any other pertinent information. The Region may or may not decide to input the data into an application on CAPRAD for historical record.

The CAPRAD database will reflect the approved application and place the channels for the proposed system in "pre-license" status, even if it is just a notations next to the proposed channel pair.

Appendix G

Channel Assignments / Allotments

The Region 39 Channel allocations have been allocated using the CAPRAD channel packing program. Region 39 anticipates an open filing window where applicants can apply anytime for available channels in their county area. A “County Area” is defined as an area consisting of the area within the county as well as a distance of up to 5 miles outside of the county. It is anticipated this extended county area will enable Region 39 to maximize channel re-use of any “orphan” remainders.

The current Channel Allotment may be viewed at www.caprad.org.

11/5/2015 Region 39

All Frequencies are 12.5 KHz Bandwidth

General Use

County	FCC Ch. Number	Base TX Freq.	Mobile TX Freq.	Notation
Anderson	49-50	769.30625	799.30625	TVRCS Cross Mt Ch 1 WQNI899
	57-58	769.35625	799.35625	TVRCS Winrock Mt Ch 1 WQNI899
	125-126	769.78125	799.78125	TACN Winrock Mt Ch 10 TDOT
	127-128	769.79375	799.79375	
	169-170	770.05625	800.05625	Cross Mt Ch 2
	333-334	771.08125	801.08125	Winrock Mt Ch 2
	357-358	771.23125	801.23125	
	359-360	771.24375	801.24375	
	397-398	771.48125	801.48125	Cross Mt Ch 3
	481-482	772.00625	802.00625	Winrock Mt Ch 3
	557-558	772.48125	802.48125	Winrock Mt Ch 7
	559-560	772.49375	802.49375	
	575-576	772.59375	802.59375	Cross Mt Ch 4
	625-626	772.90625	802.90625	Winrock Mtn Ch 4
	661-662	773.13125	803.13125	Winrock Mt Ch 8 TWRA
	663-664	773.14375	803.14375	
	705-706	773.40625	803.40625	Cross Mt Ch 5
	909-910	774.68125	804.68125	
911-912	774.69375	804.69375	Winrock Mt Ch 9 TWRA	
Bedford	321-322	771.00625	801.00625	
	323-324	771.01875	801.01875	
	381-382	771.38125	801.38125	
	383-384	771.39375	801.39375	
	493-494	772.08125	802.08125	
	495-496	772.09375	802.09375	
	549-550	772.43125	802.43125	
	551-552	772.44375	802.44375	
	593-594	772.70625	802.70625	
	595-596	772.71875	802.71875	
	633-634	772.95625	802.95625	
	635-636	772.96875	802.96875	
	833-834	774.20625	804.20625	
	835-836	774.21875	804.21875	

Benton	49-50	769.30625	799.30625	
	51-52	769.31875	799.31875	
	133-134	769.83125	799.83125	
	135-136	769.84375	799.84375	
	177-178	770.10625	800.10625	
	179-180	770.11875	800.11875	
	337-338	771.10625	801.10625	
	339-340	771.11875	801.11875	
	493-494	772.08125	802.08125	
	495-496	772.09375	802.09375	
	533-534	772.33125	802.33125	
	535-536	772.34375	802.34375	
	577-578	772.60625	802.60625	
	579-580	772.61875	802.61875	
	709-710	773.43125	803.43125	
	711-712	773.44375	803.44375	
Bledsoe	49-50	769.30625	799.30625	
	51-52	769.31875	799.31875	
	253-254	770.58125	800.58125	
	255-256	770.59375	800.59375	
	325-326	771.03125	801.03125	
	327-328	771.04375	801.04375	
	537-538	772.35625	802.35625	
	539-540	772.36875	802.36875	
	745-746	773.65625	803.65625	
	747-748	773.66875	803.66875	
Blount	137-138	769.85625	799.85625	Replaced Delete if it can't be used
	293-294	770.83125	800.83125	Broadway Towers Ch 6 WQOG886
	391-392	771.44375	801.44375	Look Rock Ch 5 Replaced 413 WQOG886
	413-414	771.58125	801.58125	Replaced Delete if it can't be used
	453-454	771.83125	801.83125	Broadway Towers Ch 5
	457-460	771.8625	801.8625	
	471-472	771.94375	801.94375	Look Rock Ch 4
	505-506	772.15625	802.15625	Broadway Towers Ch 4
	573-574	772.58125	802.58125	Look Rock Ch 3
	637-638	772.98125	802.98125	Broadway Towers Ch 3
	741-742	773.63125	803.63125	Look Rock Ch 2
	821-822	774.13125	804.13125	Broadway Towers Ch 2
	837-838	774.23125	804.23125	Look Rock Ch 1
	877-878	774.48125	804.48125	Broadway Towers Ch 1
	915-916	774.71875	804.71875	Look Rock Ch 6
Bradley	97-98	769.60625	799.60625	TVRCS N Bradley Ch 1 WQLE430
	161-162	770.00625	800.00625	N Bradley Ch. 7 TDOH
	163-164	770.01875	800.01875	
	205-206	770.28125	800.28125	
	245-246	770.53125	800.53125	TVRCS N Bradley Ch 2
	389-390	771.43125	801.43125	TVRCS N Bradley Ch 8 TWRA
	477-478	771.98125	801.98125	TVRCS N Bradley Ch 9 TDOT
	541-542	772.38125	802.38125	TVRCS N Bradley Ch 3

	561-562	772.50625	802.50625	
	563-564	772.51875	802.51875	
	577-578	772.60625	802.60625	
	579-580	772.61875	802.61875	
	597-598	772.73125	802.73125	TVRCS N Bradley Ch 4
	677-678	773.23125	803.23125	
	679-680	773.24375	803.24375	
	705-706	773.40625	803.40625	
	707-708	773.41875	803.41875	
	713-714	773.45625	803.45625	TVRCS N Bradley Ch 5
	757-758	773.73125	803.73125	
	759-760	773.74375	803.74375	
	825-826	774.15625	804.15625	Co Ch Greentop
	827-828	774.16875	804.16875	
Campbell	41-42	769.25625	799.25625	
	43-44	769.26875	799.26875	
	133-134	769.83125	799.83125	
	135-136	769.84375	799.84375	
	381-382	771.38125	801.38125	
	383-384	771.39375	801.39375	
	445-446	771.78125	801.78125	
	447-448	771.79375	801.79375	
	509-510	772.18125	802.18125	TACN Walnut Mt Ch 5 TWRA
	511-512	772.19375	802.19375	
	617-618	772.85625	802.85625	TACN Walnut Mt Ch 6 TWRA
	619-620	772.86875	802.86875	
	753-754	773.70625	803.70625	TACN Walnut Mt Ch 1 WQQE557
	865-866	774.40625	804.40625	TACN Walnut Mt Ch 3
Cannon	137-138	769.85625	799.85625	
	139-140	769.86875	799.86875	
	329-330	771.05625	801.05625	
	331-332	771.06875	801.06875	
	405-406	771.53125	801.53125	
	407-408	771.54375	801.54375	
	457-458	771.85625	801.85625	
	459-460	771.86875	801.86875	
	517-518	772.23125	802.23125	
	519-520	772.24375	802.24375	
	713-714	773.45625	803.45625	
Carroll	41-42	769.25625	799.25625	
	43-44	769.26875	799.26875	
	293-294	770.83125	800.83125	
	295-296	770.84375	800.84375	
	365-366	771.28125	801.28125	
	367-368	771.29375	801.29375	
	413-414	771.58125	801.58125	
	415-416	771.59375	801.59375	
	453-454	771.83125	801.83125	
	455-456	771.84375	801.84375	
	517-518	772.23125	802.23125	

	519-520	772.24375	802.24375	
	561-562	772.50625	802.50625	
	563-564	772.51875	802.51875	
	601-602	772.75625	802.75625	
	603-604	772.76875	802.76875	
	741-742	773.63125	803.63125	
	743-744	773.64375	803.64375	
Carter	45-46	769.28125	799.28125	
	47-48	769.29375	799.29375	
	161-162	770.00625	800.00625	
	163-164	770.01875	800.01875	
	201-202	770.25625	800.25625	
	203-204	770.26875	800.26875	
	293-294	770.83125	800.83125	
	295-296	770.84375	800.84375	
	437-438	771.73125	801.73125	
	439-440	771.74375	801.74375	
Cheatham	213-214	770.33125	800.33125	TACN Two Rivers Ch 1 WQSD673
	293-294	770.83125	800.83125	TACN Two Rivers Ch 2
	325-326	771.03125	801.03125	TACN Kingson Springs Ch 7 TDOT
	327-328	771.04375	801.04375	
	437-438	771.73125	801.73125	TACN Kingston Springs Ch 1 WQSD673
	441-442	771.75625	801.75625	Giles Chapel Co ch
	443-444	771.76875	801.76875	TACN Two Rivers Ch 7 TDOT
	489-490	772.05625	802.05625	TACN Kingston Springs Ch 2
	529-530	772.30625	802.30625	TACN Two Rivers 3
	569-570	772.55625	802.55625	TACN Kingston Springs Ch 3
	621-622	772.88125	802.88125	TACN Two Rivers Ch 6 TWRA
	623-624	772.89375	802.89375	
	869-870	774.43125	804.43125	TACN Kingston Springs Ch 6 TWRA
	871-872	774.44375	804.44375	
Chester	45-46	769.28125	799.28125	
	47-48	769.29375	799.29375	
	369-370	771.30625	801.30625	
	371-372	771.31875	801.31875	
	605-606	772.78125	802.78125	
	607-608	772.79375	802.79375	
	745-746	773.65625	803.65625	
	747-748	773.66875	803.66875	
	917-918	774.73125	804.73125	
	919-920	774.74375	804.74375	
Claiborne	53-54	769.33125	799.33125	TACN Springdale WQQD625 Ch 1
	251-252	770.56875	800.56875	TACN Springdale Ch 3
	541-542	772.38125	802.38125	TACN Springdale Ch 5
	543-544	772.39375	802.39375	
	589-590	772.68125	802.68125	
	591-592	772.69375	802.69375	TACN Springdale Ch 6 TWRA
	709-710	773.43125	803.43125	
	711-712	773.44375	803.44375	

	941-942	774.88125	804.88125	
	943-944	774.89375	804.89375	
Clay	133-134	769.83125	799.83125	
	135-136	769.84375	799.84375	
	293-294	770.83125	800.83125	
	295-296	770.84375	800.84375	
	421-422	771.63125	801.63125	
	423-424	771.64375	801.64375	
	545-546	772.40625	802.40625	
	547-548	772.41875	802.41875	
	637-638	772.98125	802.98125	
	639-640	772.99375	802.99375	
	829-830	774.18125	804.18125	
	831-832	774.19375	804.19375	
Cocke	205-206	770.28125	800.28125	TACN English Mt WQQJ266
	289-290	770.80625	800.80625	TACN English Mt
	353-354	771.20625	801.20625	TACN English Mt
	537-538	772.35625	802.35625	TACN English Mt. Ch 6
	539-540	772.36875	802.36875	
	669-670	773.18125	803.18125	
	671-672	773.19375	803.19375	
Coffee	97-98	769.60625	799.60625	
	99-100	769.61875	799.61875	
	341-342	771.13125	801.13125	
	343-344	771.14375	801.14375	
	437-438	771.73125	801.73125	
	439-440	771.74375	801.74375	
	481-482	772.00625	802.00625	
	483-484	772.01875	802.01875	
	609-610	772.80625	802.80625	
	611-612	772.81875	802.81875	
	705-706	773.40625	803.40625	
	707-708	773.41875	803.41875	
	861-862	774.38125	804.38125	
	863-864	774.39375	804.39375	
	941-942	774.88125	804.88125	
	943-944	774.89375	804.89375	
Crockett	349-350	771.18125	801.18125	
	351-352	771.19375	801.19375	
	437-438	771.73125	801.73125	
	439-440	771.74375	801.74375	
	513-514	772.20625	802.20625	
	515-516	772.21875	802.21875	
	665-666	773.15625	803.15625	
	667-668	773.16875	803.16875	
	877-878	774.48125	804.48125	
	879-880	774.49375	804.49375	
Cumberland	241-242	770.50625	800.50625	

	243-244	770.51875	800.51875	
	353-354	771.20625	801.20625	
	355-356	771.21875	801.21875	
	417-418	771.60625	801.60625	
	419-420	771.61875	801.61875	
	549-550	772.43125	802.43125	
	551-552	772.44375	802.44375	
	633-634	772.95625	802.95625	
	635-636	772.96875	802.96875	
Davidson	43-44	769.26875	799.26875	TACN TN Tower Ch 11 TWRA
	49-50	769.30625	799.30625	TACN Cane Ridge Ch 1 WQQE561
	93-94	769.58125	799.58125	TACN Cane Ridge Ch 3
	133-134	769.83125	799.83125	TACN Sullivan's Ridge Ch 1 WQQE561
	201-202	770.25625	800.25625	TACN Sullivan's Ridge Ch 3
	241-242	770.50625	800.50625	TACN Morgan Rd Ch 1 WQQE561
	281-282	770.75625	800.75625	TACN Morgan Rd Ch 2
	365-366	771.28125	801.28125	TACN Morgan Rd Ch 3
	417-418	771.60625	801.60625	Cane Ridge Ch 5
	419-420	771.61875	801.61875	
	477-478	771.98125	801.98125	Sullivans Ridge Ch 5
	479-480	771.99375	801.99375	
	483-484	772.01875	802.01875	Cane Ridge Ch 7 TDOT
	513-514	772.20625	802.20625	TN Tower Ch 12 TDOT
	515-516	772.21875	802.21875	
	553-554	772.45625	802.45625	Morgan Rd Ch. 5
	555-556	772.46875	802.46875	
	581-582	772.63125	802.63125	Sullivans Ridge Ch 7 TDOT
	583-584	772.64375	802.64375	
	597-598	772.73125	802.73125	Cane Ridge Ch 6 TWRA
	599-600	772.74375	802.74375	
	637-638	772.98125	802.98125	Sullivans Ridge Ch 6 TWRA
	639-640	772.99375	802.99375	
	709-710	773.43125	803.43125	Morgan Rd Ch 6 TWRA
	711-712	773.44375	803.44375	
	789-790	773.93125	803.93125	TACN TN Tower Ch 10 TWRA
	791-792	773.94375	803.94375	
	829-830	774.18125	804.18125	TACN Morgan Rd Ch 7 TDOT
	831-832	774.19375	804.19375	
De Kalb	53-54	769.33125	799.33125	
	55-56	769.34375	799.34375	
	245-246	770.53125	800.53125	
	247-248	770.54375	800.54375	
	433-434	771.70625	801.70625	
	435-436	771.71875	801.71875	
	485-486	772.03125	802.03125	
	487-488	772.04375	802.04375	
	589-590	772.68125	802.68125	
	591-592	772.69375	802.69375	
	785-786	773.90625	803.90625	
	787-788	773.91875	803.91875	

Decatur	125-126	769.78125	799.78125	
	127-128	769.79375	799.79375	
	217-218	770.35625	800.35625	
	219-220	770.36875	800.36875	
	353-354	771.20625	801.20625	
	355-356	771.21875	801.21875	
	441-442	771.75625	801.75625	
	443-444	771.76875	801.76875	
	589-590	772.68125	802.68125	
	591-592	772.69375	802.69375	
	781-782	773.88125	803.88125	
	783-784	773.89375	803.89375	
	877-878	774.48125	804.48125	
	879-880	774.49375	804.49375	
	Dickson	129-130	769.80625	799.80625
131-132		769.81875	799.81875	
321-322		771.00625	801.00625	TACN Charlotte WTP Ch 1 WQSX329
361-362		771.25625	801.25625	TACN Slayden Ch 1 WQSX329
381-382		771.38125	801.38125	TACN Charlotte Ch 2 WTP
409-410		771.55625	801.55625	TACN Slayden Ch 2
481-482		772.00625	802.00625	TACN Charlotte WTP Ch 3
537-538		772.35625	802.35625	TACN Slayden Ch 3
549-550		772.43125	802.43125	Charlotte WTP Ch. 5
551-552		772.44375	802.44375	
593-594		772.70625	802.70625	Slayden Ch 5 TDOS
595-596		772.71875	802.71875	
633-634		772.95625	802.95625	Charlotte WTP TWRA Ch 6
635-636		772.96875	802.96875	
713-714		773.45625	803.45625	Slayden TWRA Ch 6
715-716		773.46875	803.46875	
753-754		773.70625	803.70625	Charlotte WTP Ch 7 TDOT
755-756		773.71875	803.71875	
833-834		774.20625	804.20625	
835-836		774.21875	804.21875	
861-862	774.38125	804.38125		
863-864	774.39375	804.39375		
Dyer	45-46	769.28125	799.28125	TACN Millsfield Ch 1 WQWD308
	47-48	769.29375	799.29375	
	125-126	769.78125	799.78125	TACN Millsfield Ch 2 WQWD308
	127-128	769.79375	799.79375	
	177-178	770.10625	800.10625	TACN Millsfield Ch 3 WQWD308
	179-180	770.11875	800.11875	
	241-242	770.50625	800.50625	
	243-244	770.51875	800.51875	
	321-322	771.00625	801.00625	TACN Millsfield Ch 5 TDOS
	323-324	771.01875	801.01875	
	409-410	771.55625	801.55625	
	411-412	771.56875	801.56875	
	449-450	771.80625	801.80625	
	451-452	771.81875	801.81875	
493-494	772.08125	802.08125		

	495-496	772.09375	802.09375	
	597-598	772.73125	802.73125	
	599-600	772.74375	802.74375	
	865-866	774.40625	804.40625	
	867-868	774.41875	804.41875	
	917-918	774.73125	804.73125	
	919-920	774.74375	804.74375	
Fayette	217-218	770.35625	800.35625	Williston TACN Ch 7
	219-220	770.36875	800.36875	
	293-294	770.83125	800.83125	Williston TACN Ch 8 TDOT
	295-296	770.84375	800.84375	
	365-366	771.28125	801.28125	
	367-368	771.29375	801.29375	
	397-398	771.48125	801.48125	
	399-400	771.49375	801.49375	
	441-442	771.75625	801.75625	
	443-444	771.76875	801.76875	
	509-510	772.18125	802.18125	
	511-512	772.19375	802.19375	
	557-558	772.48125	802.48125	Williston TACN Ch 1 WQRD787
	601-602	772.75625	802.75625	Williston TACN Ch 2
	741-742	773.63125	803.63125	
	743-744	773.64375	803.64375	
	913-914	774.70625	804.70625	
	915-916	774.71875	804.71875	
Fentress	201-202	770.25625	800.25625	
	203-204	770.26875	800.26875	
	289-290	770.80625	800.80625	
	291-292	770.81875	800.81875	
	329-330	771.05625	801.05625	
	331-332	771.06875	801.06875	
	469-470	771.93125	801.93125	
	471-472	771.94375	801.94375	
	561-562	772.50625	802.50625	
	563-564	772.51875	802.51875	
	861-862	774.38125	804.38125	
	863-864	774.39375	804.39375	
	905-906	774.65625	804.65625	
	907-908	774.66875	804.66875	
Franklin	241-242	770.50625	800.50625	
	243-244	770.51875	800.51875	
	333-334	771.08125	801.08125	
	335-336	771.09375	801.09375	
	401-402	771.50625	801.50625	
	403-404	771.51875	801.51875	
	449-450	771.80625	801.80625	
	451-452	771.81875	801.81875	
	505-506	772.15625	802.15625	
	507-508	772.16875	802.16875	
	573-574	772.58125	802.58125	

	575-576	772.59375	802.59375	
	625-626	772.90625	802.90625	
	627-628	772.91875	802.91875	
	677-678	773.23125	803.23125	
	679-680	773.24375	803.24375	
	749-750	773.68125	803.68125	
	751-752	773.69375	803.69375	
Gibson	53-54	769.33125	799.33125	TACN Trenton Ch 1 WQUV368
	55-56	769.34375	799.34375	
	93-94	769.58125	799.58125	TACN Trenton Ch 2
	95-96	769.59375	799.59375	
	137-138	769.85625	799.85625	TACN Trenton Ch 3
	139-140	769.86875	799.86875	
	201-202	770.25625	800.25625	
	203-204	770.26875	800.26875	
	253-254	770.58125	800.58125	TACN Trenton Ch 6 TWRA
	255-256	770.59375	800.59375	
	385-386	771.40625	801.40625	
	387-388	771.41875	801.41875	
	429-430	771.68125	801.68125	
	431-432	771.69375	801.69375	
	545-546	772.40625	802.40625	
	547-548	772.41875	802.41875	
	585-586	772.65625	802.65625	
	587-588	772.66875	802.66875	
	705-706	773.40625	803.40625	
	707-708	773.41875	803.41875	
	785-786	773.90625	803.90625	
	787-788	773.91875	803.91875	
	825-826	774.15625	804.15625	
	827-828	774.16875	804.16875	
	909-910	774.68125	804.68125	
	911-912	774.69375	804.69375	
Giles	89-90	769.55625	799.55625	
	91-92	769.56875	799.56875	
	161-162	770.00625	800.00625	
	163-164	770.01875	800.01875	
	377-378	771.35625	801.35625	
	379-380	771.36875	801.36875	
	485-486	772.03125	802.03125	
	487-488	772.04375	802.04375	
	545-546	772.40625	802.40625	
	547-548	772.41875	802.41875	
	613-614	772.83125	802.83125	
	615-616	772.84375	802.84375	
	673-674	773.20625	803.20625	
	675-676	773.21875	803.21875	
Grainger	89-90	769.55625	799.55625	
	91-92	769.56875	799.56875	
	417-418	771.60625	801.60625	

	419-420	771.61875	801.61875	
	529-530	772.30625	802.30625	
	531-532	772.31875	802.31875	
	629-630	772.93125	802.93125	
	631-632	772.94375	802.94375	
	745-746	773.65625	803.65625	
	747-748	773.66875	803.66875	
Greene	59-60	769.36875	799.36875	TACN Viking Mt Ch 1 WQK397
	241-242	770.50625	800.50625	TACN Viking Mt Ch 3
	297-298	770.85625	800.85625	TACN Viking Mt Ch 6 TWRA
	299-300	770.86875	800.86875	
	365-366	771.28125	801.28125	WCSO Ch 7
	367-368	771.29375	801.29375	
	457-458	771.85625	801.85625	WCSO Ch 8
	459-460	771.86875	801.86875	
	585-586	772.65625	802.65625	WCSO Ch 9
	587-588	772.66875	802.66875	
	705-706	773.40625	803.40625	WCSO Ch 10
	707-708	773.41875	803.41875	
Grundy	15-16	769.09375	799.09375	
	361-362	771.25625	801.25625	TACN Hippytown Ch 1 WQQD622
	421-422	771.63125	801.63125	TACN Hippytown Ch 3
	423-424	771.64375	801.64375	
	465-466	771.90625	801.90625	TACN Hippytown Ch 6 TWRA
	467-468	771.91875	801.91875	
	489-490	772.05625	802.05625	
	491-492	772.06875	802.06875	
	545-546	772.40625	802.40625	
	547-548	772.41875	802.41875	
	601-602	772.75625	802.75625	
	603-604	772.76875	802.76875	
	629-630	772.93125	802.93125	
	783-784	773.89375	803.89375	
	869-870	774.43125	804.43125	
	871-872	774.44375	804.44375	
Hamblen	81-82	769.50625	799.50625	
	83-84	769.51875	799.51875	
	253-254	770.58125	800.58125	
	255-256	770.59375	800.59375	
	377-378	771.35625	801.35625	
	379-380	771.36875	801.36875	
	433-434	771.70625	801.70625	
	435-436	771.71875	801.71875	
	485-486	772.03125	802.03125	
	487-488	772.04375	802.04375	
	545-546	772.40625	802.40625	
	547-548	772.41875	802.41875	
	717-718	773.48125	803.48125	
	719-720	773.49375	803.49375	

Hamilton	41-42	769.25625	799.25625	TVRCS Sale Creek Ch 1 WQLE328
	89-90	769.55625	799.55625	Sale Creek Ch 8 TWRA
	91-92	769.56875	799.56875	
	201-202	770.25625	800.25625	
	203-204	770.26875	800.26875	
	289-290	770.80625	800.80625	
	291-292	770.81875	800.81875	
	337-338	771.10625	801.10625	TVRCS Sale Creek Ch 2
	425-426	771.65625	801.65625	
	427-428	771.66875	801.66875	
	469-470	771.93125	801.93125	
	471-472	771.94375	801.94375	
	509-510	772.18125	802.18125	
	511-512	772.19375	802.19375	
	553-554	772.45625	802.45625	TVRCS Sale Creek Ch 3
	605-606	772.78125	802.78125	
	607-608	772.79375	802.79375	
	669-670	773.18125	803.18125	
	671-672	773.19375	803.19375	
	709-710	773.43125	803.43125	
	711-712	773.44375	803.44375	
	789-790	773.93125	803.93125	TVRCS Sale Creek Ch 4
	865-866	774.40625	804.40625	
	867-868	774.41875	804.41875	
	905-906	774.65625	804.65625	
	907-908	774.66875	804.66875	
	947-948	774.91875	804.91875	TVRCS Sale Creek Ch 5
	Hancock	369-370	771.30625	801.30625
371-372		771.31875	801.31875	
497-498		772.10625	802.10625	
499-500		772.11875	802.11875	
581-582		772.63125	802.63125	
583-584		772.64375	802.64375	
701-702		773.38125	803.38125	
703-704		773.39375	803.39375	
905-906		774.65625	804.65625	
907-908		774.66875	804.66875	
Hardeman	85-86	769.53125	799.53125	TACN Whiteville Ch 1 WQVH805
	87-88	769.54375	799.54375	
	341-342	771.13125	801.13125	TACN Whiteville Ch 2
	343-344	771.14375	801.14375	
	405-406	771.53125	801.53125	TACN Whiteville Ch 3
	407-408	771.54375	801.54375	
	501-502	772.13125	802.13125	
	503-504	772.14375	802.14375	
	521-522	772.25625	802.25625	TACN Whiteville Ch 5 TWRA
	523-524	772.26875	802.26875	
	577-578	772.60625	802.60625	TACN Whiteville Ch 6 TWRA
	579-580	772.61875	802.61875	
	629-630	772.93125	802.93125	
	631-632	772.94375	802.94375	

	669-670	773.18125	803.18125	
	671-672	773.19375	803.19375	
	709-710	773.43125	803.43125	
	711-712	773.44375	803.44375	
	873-874	774.45625	804.45625	
	875-876	774.46875	804.46875	
Hardin	89-90	769.55625	799.55625	
	91-92	769.56875	799.56875	
	257-258	770.60625	800.60625	
	259-260	770.61875	800.61875	
	321-322	771.00625	801.00625	
	323-324	771.01875	801.01875	
	381-382	771.38125	801.38125	
	383-384	771.39375	801.39375	
	465-466	771.90625	801.90625	
	467-468	771.91875	801.91875	
	573-574	772.58125	802.58125	
	575-576	772.59375	802.59375	
	633-634	772.95625	802.95625	
	635-636	772.96875	802.96875	
	673-674	773.20625	803.20625	
	675-676	773.21875	803.21875	
	945-946	774.90625	804.90625	
	947-948	774.91875	804.91875	
Hawkins	325-326	771.03125	801.03125	TACN WSJK Site Ch 1 WQQE562
	389-390	771.43125	801.43125	TACN WSJK Site Ch 3
	469-470	771.93125	801.93125	TACN WSJK Site Ch 4
	471-472	771.94375	801.94375	
	573-574	772.58125	802.58125	TACN WSJK Site Ch 6 TWRA
	575-576	772.59375	802.59375	
	621-622	772.88125	802.88125	
	623-624	772.89375	802.89375	
	797-798	773.98125	803.98125	
	799-800	773.99375	803.99375	
	837-838	774.23125	804.23125	
	839-840	774.24375	804.24375	
Haywood	381-382	771.38125	801.38125	TACN Chestnut Grove Ch 1 WQSD646
	425-426	771.65625	801.65625	TACN Chestnut Grove Ch 2
	465-466	771.90625	801.90625	Chestnut Grove Ch 5 TDOS
	467-468	771.91875	801.91875	
	537-538	772.35625	802.35625	Chestnut Grove Ch 6 TWRA
	539-540	772.36875	802.36875	
	589-590	772.68125	802.68125	
	591-592	772.69375	802.69375	
	789-790	773.93125	803.93125	
	791-792	773.94375	803.94375	
Henderson	81-82	769.50625	799.50625	
	83-84	769.51875	799.51875	
	209-210	770.30625	800.30625	

	211-212	770.31875	800.31875	
	345-346	771.15625	801.15625	
	347-348	771.16875	801.16875	
	401-402	771.50625	801.50625	
	403-404	771.51875	801.51875	
	509-510	772.18125	802.18125	
	511-512	772.19375	802.19375	
	553-554	772.45625	802.45625	
	555-556	772.46875	802.46875	
	625-626	772.90625	802.90625	
	627-628	772.91875	802.91875	
	865-866	774.40625	804.40625	
	867-868	774.41875	804.41875	
Henry	241-242	770.50625	800.50625	TACN WTC Paris Ch 1 WQVB811
	243-244	770.51875	800.51875	
	281-282	770.75625	800.75625	TACN WTC Paris Ch 2
	283-284	770.76875	800.76875	
	357-358	771.23125	801.23125	TACN WTC Paris Ch 3
	359-360	771.24375	801.24375	
	397-398	771.48125	801.48125	TACN WTC Paris Ch 6 TWRA
	399-400	771.49375	801.49375	
	541-542	772.38125	802.38125	
	543-544	772.39375	802.39375	
	637-638	772.98125	802.98125	
	639-640	772.99375	802.99375	
	701-702	773.38125	803.38125	
	703-704	773.39375	803.39375	
	749-750	773.68125	803.68125	
	751-752	773.69375	803.69375	
	829-830	774.18125	804.18125	
	831-832	774.19375	804.19375	
	905-906	774.65625	804.65625	
	907-908	774.66875	804.66875	
	945-946	774.90625	804.90625	
	947-948	774.91875	804.91875	
Hickman	53-54	769.33125	799.33125	
	55-56	769.34375	799.34375	
	369-370	771.30625	801.30625	
	371-372	771.31875	801.31875	
	421-422	771.63125	801.63125	
	423-424	771.64375	801.64375	
	473-474	771.95625	801.95625	
	475-476	771.96875	801.96875	
	677-678	773.23125	803.23125	
	679-680	773.24375	803.24375	
	793-794	773.95625	803.95625	
	795-796	773.96875	803.96875	
	873-874	774.45625	804.45625	
	875-876	774.46875	804.46875	
	941-942	774.88125	804.88125	
	943-944	774.89375	804.89375	

Houston	161-162	770.00625	800.00625	
	163-164	770.01875	800.01875	
	373-374	771.33125	801.33125	
	375-376	771.34375	801.34375	
	465-466	771.90625	801.90625	
	467-468	771.91875	801.91875	
	585-586	772.65625	802.65625	
	587-588	772.66875	802.66875	
	797-798	773.98125	803.98125	
	799-800	773.99375	803.99375	
Humphreys	389-390	771.43125	801.43125	TACN McEwen Ch 1 WQTZ745
	433-434	771.70625	801.70625	TACN McEwen Ch 2 WQTZ745
	521-522	772.25625	802.25625	TACN McEwen Ch 3 WQTZ745
	609-610	772.80625	802.80625	TACN McEwen Ch 6 TWRA
	611-612	772.81875	802.81875	
	669-670	773.18125	803.18125	
	671-672	773.19375	803.19375	
	909-910	774.68125	804.68125	
	911-912	774.69375	804.69375	
Jackson	17-18	769.10625	799.10625	
	19-20	769.11875	799.11875	
	169-170	770.05625	800.05625	
	171-172	770.06875	800.06875	
	357-358	771.23125	801.23125	
	359-360	771.24375	801.24375	
	413-414	771.58125	801.58125	
	415-416	771.59375	801.59375	
	509-510	772.18125	802.18125	
	511-512	772.19375	802.19375	
	573-574	772.58125	802.58125	
	575-576	772.59375	802.59375	
	745-746	773.65625	803.65625	
	747-748	773.66875	803.66875	
Jefferson	321-322	771.00625	801.00625	
	323-324	771.01875	801.01875	
	393-394	771.45625	801.45625	
	395-396	771.46875	801.46875	
	449-450	771.80625	801.80625	
	451-452	771.81875	801.81875	
	493-494	772.08125	802.08125	
	495-496	772.09375	802.09375	
	633-634	772.95625	802.95625	
	635-636	772.96875	802.96875	
	869-870	774.43125	804.43125	
	871-872	774.44375	804.44375	
Johnson	81-82	769.50625	799.50625	TACN Stone Mt Ch 2 WQRF587
	213-214	770.33125	800.33125	TACN Stone Mt Ch 1
	377-378	771.35625	801.35625	TACN Stone Mt Ch 5 TDOS

	379-380	771.36875	801.36875	
	417-418	771.60625	801.60625	TACN Stone Mt Ch 6 TWRA
	419-420	771.61875	801.61875	
	533-534	772.33125	802.33125	
	535-536	772.34375	802.34375	
	745-746	773.65625	803.65625	
	747-748	773.66875	803.66875	
Knox	45-46	769.28125	799.28125	TACN Black Rd Ch 1 WQLE773
	97-98	769.60625	799.60625	TACN Sharps Ridge Ch 1 WQLE773
	161-162	770.00625	800.00625	Co Channel w/ N Bradley
	163-164	770.01875	800.01875	TACN Black Rd Ch 9 TDOT
	201-202	770.25625	800.25625	TACN Ch 2 Black Rd
	245-246	770.53125	800.53125	TACN Sharps Ridge Ch 2
	285-286	770.78125	800.78125	TACN Black Rd Ch 6
	349-350	771.18125	801.18125	TACN Black Rd Ch 3
	405-406	771.53125	801.53125	TACN Sharps Ridge Ch 3
	425-426	771.65625	801.65625	
	427-428	771.66875	801.66875	
	461-462	771.88125	801.88125	TACN Black Rd Ch 4
	553-554	772.45625	802.45625	TACN Sharps Ridge Ch 4
	597-598	772.73125	802.73125	
	599-600	772.74375	802.74375	TACN Black Rd Ch 9 TDOT
	665-666	773.15625	803.15625	TACN Black Rd Ch 5
	757-758	773.73125	803.73125	TACN Sharps Ridge Ch 5
	829-830	774.18125	804.18125	
	831-832	774.19375	804.19375	
	901-902	774.63125	804.63125	
	903-904	774.64375	804.64375	
	945-946	774.90625	804.90625	
	947-948	774.91875	804.91875	
Lake	97-98	769.60625	799.60625	
	99-100	769.61875	799.61875	
	293-294	770.83125	800.83125	
	295-296	770.84375	800.84375	
	337-338	771.10625	801.10625	
	339-340	771.11875	801.11875	
	401-402	771.50625	801.50625	
	403-404	771.51875	801.51875	
	457-458	771.85625	801.85625	
	459-460	771.86875	801.86875	
	517-518	772.23125	802.23125	
	519-520	772.24375	802.24375	
	557-558	772.48125	802.48125	
	559-560	772.49375	802.49375	
	633-634	772.95625	802.95625	
	635-636	772.96875	802.96875	
Lauderdale	133-134	769.83125	799.83125	TACN Ripley WQVH804 Ch 1
	135-136	769.84375	799.84375	
	205-206	770.28125	800.28125	TACN Ripley Ch 2
	207-208	770.29375	800.29375	

	373-374	771.33125	801.33125	TACN Ripley Ch 3
	375-376	771.34375	801.34375	
	505-506	772.15625	802.15625	TDOC WTSP Ch 1 WQTX762
	549-550	772.43125	802.43125	TDOC WTSP Ch 2
	625-626	772.90625	802.90625	TDOC WTSP Ch 3
	749-750	773.68125	803.68125	TACN Ripley Ch 6 TWRA
	751-752	773.69375	803.69375	
	829-830	774.18125	804.18125	
	831-832	774.19375	804.19375	
Lawrence	99-100	769.61875	799.61875	TACN West Point Ch 1 WQUV370
	245-246	770.53125	800.53125	TACN West Point Ch 3
	247-248	770.54375	800.54375	
	325-326	771.03125	801.03125	TACN West Point Ch 4
	327-328	771.04375	801.04375	
	405-406	771.53125	801.53125	TACN West Point Ch 6 TWRA
	407-408	771.54375	801.54375	
	445-446	771.78125	801.78125	
	447-448	771.79375	801.79375	
	497-498	772.10625	802.10625	
	499-500	772.11875	802.11875	
	517-518	772.23125	802.23125	
	519-520	772.24375	802.24375	
	529-530	772.30625	802.30625	
	531-532	772.31875	802.31875	
	581-582	772.63125	802.63125	
	583-584	772.64375	802.64375	
	637-638	772.98125	802.98125	
	639-640	772.99375	802.99375	
	717-718	773.48125	803.48125	
	719-720	773.49375	803.49375	
	797-798	773.98125	803.98125	
	799-800	773.99375	803.99375	
	829-830	774.18125	804.18125	
	831-832	774.19375	804.19375	
	869-870	774.43125	804.43125	
	871-872	774.44375	804.44375	
	917-918	774.73125	804.73125	
	919-920	774.74375	804.74375	
Lewis	137-138	769.85625	799.85625	
	139-140	769.86875	799.86875	
	341-342	771.13125	801.13125	
	343-344	771.14375	801.14375	
	385-386	771.40625	801.40625	
	387-388	771.41875	801.41875	
	429-430	771.68125	801.68125	
	431-432	771.69375	801.69375	
	557-558	772.48125	802.48125	
	559-560	772.49375	802.49375	
	665-666	773.15625	803.15625	
	667-668	773.16875	803.16875	
	785-786	773.90625	803.90625	

	787-788	773.91875	803.91875	
	905-906	774.65625	804.65625	
	907-908	774.66875	804.66875	
Lincoln	81-82	769.50625	799.50625	
	83-84	769.51875	799.51875	
	205-206	770.28125	800.28125	
	207-208	770.29375	800.29375	
	409-410	771.55625	801.55625	
	411-412	771.56875	801.56875	
	537-538	772.35625	802.35625	
	539-540	772.36875	802.36875	
	585-586	772.65625	802.65625	
	587-588	772.66875	802.66875	
	793-794	773.95625	803.95625	
	795-796	773.96875	803.96875	
	873-874	774.45625	804.45625	
	875-876	774.46875	804.46875	
Loudon	139-140	769.86875	799.86875	TACN Lenoir City Ch 1 WQLE431
	217-218	770.35625	800.35625	TACN Centerville Ch 1 WQLE431
	365-366	771.28125	801.28125	TACN Centerville Ch 2
	377-378	771.35625	801.35625	TACN Lenoir City Ch 5
	415-416	771.59375	801.59375	TACN Lenoir City Ch 2
	433-434	771.70625	801.70625	TACN Centerville Ch 3
	535-536	772.34375	802.34375	TACN Lenoir City Ch 3
	545-546	772.40625	802.40625	TACN Centerville Ch 4
	669-670	773.18125	803.18125	TACN Lenoir City Ch 4 Replace 839-840
	671-672	773.19375	803.19375	Delete when 669-670 when licensed
	673-674	773.20625	803.20625	TACN Centerville Ch 5
	749-750	773.68125	803.68125	TACN Centerville Ch 6
	839-840	774.24375	804.24375	*TACN Lenoir City
	873-874	774.45625	804.45625	Centerville Future Ch 9 TWRA
	875-876	774.46875	804.46875	
Macon	205-206	770.28125	800.28125	
	207-208	770.29375	800.29375	
	325-326	771.03125	801.03125	
	327-328	771.04375	801.04375	
	429-430	771.68125	801.68125	
	431-432	771.69375	801.69375	
	473-474	771.95625	801.95625	
	475-476	771.96875	801.96875	
	609-610	772.80625	802.80625	
	611-612	772.81875	802.81875	
	665-666	773.15625	803.15625	
	667-668	773.16875	803.16875	
	941-942	774.88125	804.88125	
	943-944	774.89375	804.89375	
Madison	13-14	769.08125	799.08125	TACN Hwy 70 Site Control Ch 1
	121-122	769.75625	799.75625	TACN Hwy 70 Site Control Ch 3
	165-166	770.03125	800.03125	TACN Hwy 70 Site WQFS601 Ch 4

245-246	770.53125	800.53125	TACN Hwy 70 Site Ch 5
285-286	770.78125	800.78125	
287-288	770.79375	800.79375	
325-326	771.03125	801.03125	
327-328	771.04375	801.04375	
361-362	771.25625	801.25625	TACN Hwy 70 Site Ch 7 DOH Future
363-364	771.26875	801.26875	
393-394	771.45625	801.45625	
395-396	771.46875	801.46875	
445-446	771.78125	801.78125	
447-448	771.79375	801.79375	
489-490	772.05625	802.05625	
491-492	772.06875	802.06875	
529-530	772.30625	802.30625	
531-532	772.31875	802.31875	
613-614	772.83125	802.83125	
615-616	772.84375	802.84375	
677-678	773.23125	803.23125	
679-680	773.24375	803.24375	
717-718	773.48125	803.48125	
719-720	773.49375	803.49375	
757-758	773.73125	803.73125	
759-760	773.74375	803.74375	
797-798	773.98125	803.98125	
799-800	773.99375	803.99375	
837-838	774.23125	804.23125	
839-840	774.24375	804.24375	
869-870	774.43125	804.43125	
871-872	774.44375	804.44375	
901-902	774.63125	804.63125	
903-904	774.64375	804.64375	
941-942	774.88125	804.88125	
943-944	774.89375	804.89375	

Marion	13-14	769.08125	799.08125
	133-134	769.83125	799.83125
	135-136	769.84375	799.84375
	355-356	771.21875	801.21875
	461-462	771.88125	801.88125
	463-464	771.89375	801.89375
	501-502	772.13125	802.13125
	503-504	772.14375	802.14375
	581-582	772.63125	802.63125
	583-584	772.64375	802.64375
	631-632	772.94375	802.94375
	781-782	773.88125	803.88125
	821-822	774.13125	804.13125
	823-824	774.14375	804.14375
	913-914	774.70625	804.70625
	915-916	774.71875	804.71875

Marshall	357-358	771.23125	801.23125	TACN Gills Chapel Ch 1 WQTZ743
	441-442	771.75625	801.75625	TACN Gills Chapel Ch 3

	521-522	772.25625	802.25625	TACN Gills Chapel Ch 4
	561-562	772.50625	802.50625	Gills Chapel Ch 6 TWRA
	563-564	772.51875	802.51875	
	909-910	774.68125	804.68125	
	911-912	774.69375	804.69375	
Maury	219-220	770.36875	800.36875	TACN Theta Ch 1 WQUV223
	285-286	770.78125	800.78125	TACN Theta Ch 2
	349-350	771.18125	801.18125	TACN Theta Ch 3
	413-414	771.58125	801.58125	TACN Theta Ch 6 TWRA
	415-416	771.59375	801.59375	
	461-462	771.88125	801.88125	TACN Theta Ch 7 TDOT
	463-464	771.89375	801.89375	
	509-510	772.18125	802.18125	
	511-512	772.19375	802.19375	
	589-590	772.68125	802.68125	
	591-592	772.69375	802.69375	
	629-630	772.93125	802.93125	
	631-632	772.94375	802.94375	
	701-702	773.38125	803.38125	
	703-704	773.39375	803.39375	
	745-746	773.65625	803.65625	
	747-748	773.66875	803.66875	
	821-822	774.13125	804.13125	
	823-824	774.14375	804.14375	
McMinn	421-422	771.63125	801.63125	TVRCS Starr Mtn WQLF775
	465-466	771.90625	801.90625	TVRCS Starr Mtn
	525-526	772.28125	802.28125	TVRCS Starr Mtn
	621-622	772.88125	802.88125	TVRCS Starr Mtn
	793-794	773.95625	803.95625	TVRCS Starr Mtn
	941-942	774.88125	804.88125	
	943-944	774.89375	804.89375	
McNairy	57-58	769.35625	799.35625	TACN Mt Peter Ch 1 WQSD654
	97-98	769.60625	799.60625	TACN Mt Peter Ch 2
	161-162	770.00625	800.00625	Mt Peter Ch 5 TDOS
	163-164	770.01875	800.01875	
	433-434	771.70625	801.70625	Mt Peter Ch 6 TWRA
	435-436	771.71875	801.71875	
	477-478	771.98125	801.98125	
	479-480	771.99375	801.99375	
	541-542	772.38125	802.38125	
	543-544	772.39375	802.39375	
	753-754	773.70625	803.70625	
	755-756	773.71875	803.71875	
	833-834	774.20625	804.20625	
	835-836	774.21875	804.21875	
Meigs	53-54	769.33125	799.33125	TVRCS Nopone Mt. WQLE429
	321-322	771.00625	801.00625	TVRCS Nopone Mt
	373-374	771.33125	801.33125	TVRCS Nopone Mt
	517-518	772.23125	802.23125	Delete when 519-520 is licensed

	519-520	772.24375	802.24375	Need Adj State LOC replace 533-534
	533-534	772.33125	802.33125	*TVRCS Nopone Mt
	589-590	772.68125	802.68125	TVRCS Nopone Mt
Monroe	165-166	770.03125	800.03125	TVRCS Hiwasee Knob WQLE432
	329-330	771.05625	801.05625	TVRCS Hiwasee Knob
	489-490	772.05625	802.05625	TVRCS Hiwasee Knob
	581-582	772.63125	802.63125	TVRCS Hiwasee Knob
	701-702	773.38125	803.38125	TVRCS Hiwasee Knob
	861-862	774.38125	804.38125	Future Expansion Ch. 7
	863-864	774.39375	804.39375	
Montgomery	45-46	769.28125	799.28125	TACN Cunningham Ch 1WQ SX304
	89-90	769.55625	799.55625	TACN Cunningham Ch 2
	137-138	769.85625	799.85625	TACN Cunningham Ch 7 TDOT
	139-140	769.86875	799.86875	
	205-206	770.28125	800.28125	Cunningham Ch 5
	207-208	770.29375	800.29375	
	245-246	770.53125	800.53125	
	247-248	770.54375	800.54375	
	329-330	771.05625	801.05625	TACN Cunningham Ch 6 TWRA
	331-332	771.06875	801.06875	
	393-394	771.45625	801.45625	
	395-396	771.46875	801.46875	
	457-458	771.85625	801.85625	
	459-460	771.86875	801.86875	
	517-518	772.23125	802.23125	
	519-520	772.24375	802.24375	
	557-558	772.48125	802.48125	
	559-560	772.49375	802.49375	
	601-602	772.75625	802.75625	
	603-604	772.76875	802.76875	
	665-666	773.15625	803.15625	
	667-668	773.16875	803.16875	
	705-706	773.40625	803.40625	
	707-708	773.41875	803.41875	
	785-786	773.90625	803.90625	
	787-788	773.91875	803.91875	
	825-826	774.15625	804.15625	
	827-828	774.16875	804.16875	
	865-866	774.40625	804.40625	
	867-868	774.41875	804.41875	
	917-918	774.73125	804.73125	
	919-920	774.74375	804.74375	
Moore	125-126	769.78125	799.78125	
	127-128	769.79375	799.79375	
	173-174	770.08125	800.08125	
	175-176	770.09375	800.09375	
	213-214	770.33125	800.33125	
	215-216	770.34375	800.34375	
	369-370	771.30625	801.30625	
	371-372	771.31875	801.31875	

	429-430	771.68125	801.68125	
	431-432	771.69375	801.69375	
	473-474	771.95625	801.95625	
	475-476	771.96875	801.96875	
Morgan	297-298	770.85625	800.85625	
	299-300	770.86875	800.86875	
	585-586	772.65625	802.65625	
	587-588	772.66875	802.66875	
	603-604	772.76875	802.76875	
	713-714	773.45625	803.45625	
	715-716	773.46875	803.46875	
	797-798	773.98125	803.98125	
	799-800	773.99375	803.99375	
Obion	17-18	769.10625	799.10625	TACN Hornbeak Ch 1 WQVH806
	19-20	769.11875	799.11875	
	161-162	770.00625	800.00625	TACN Hornbeak Ch 2
	163-164	770.01875	800.01875	
	369-370	771.30625	801.30625	TACN Hornbeak Ch 3
	371-372	771.31875	801.31875	
	417-418	771.60625	801.60625	TACN Hornbeak Ch 5 TDOS
	419-420	771.61875	801.61875	
	477-478	771.98125	801.98125	
	479-480	771.99375	801.99375	
	565-566	772.53125	802.53125	
	567-568	772.54375	802.54375	
	609-610	772.80625	802.80625	
	611-612	772.81875	802.81875	
	669-670	773.18125	803.18125	
	671-672	773.19375	803.19375	
	745-746	773.65625	803.65625	
	747-748	773.66875	803.66875	
	833-834	774.20625	804.20625	
	835-836	774.21875	804.21875	
Overton	213-214	770.33125	800.33125	
	215-216	770.34375	800.34375	
	257-258	770.60625	800.60625	
	259-260	770.61875	800.61875	
	321-322	771.00625	801.00625	
	323-324	771.01875	801.01875	
	365-366	771.28125	801.28125	
	367-368	771.29375	801.29375	
	533-534	772.33125	802.33125	
	535-536	772.34375	802.34375	
	593-594	772.70625	802.70625	
	595-596	772.71875	802.71875	
	669-670	773.18125	803.18125	
	671-672	773.19375	803.19375	
	757-758	773.73125	803.73125	
	759-760	773.74375	803.74375	
	917-918	774.73125	804.73125	

	919-920	774.74375	804.74375	
Perry	17-18	769.10625	799.10625	TACN Lobelville Ch 1 WQSF602
	289-290	770.80625	800.80625	TACN Lobelville Ch 3
	449-450	771.80625	801.80625	TACN Lobelville Ch 5
	451-452	771.81875	801.81875	
	513-514	772.20625	802.20625	TACN Lobelville Ch 6 TWRA
	515-516	772.21875	802.21875	
	597-598	772.73125	802.73125	
	599-600	772.74375	802.74375	
Pickett	377-378	771.35625	801.35625	
	379-380	771.36875	801.36875	
	497-498	772.10625	802.10625	
	499-500	772.11875	802.11875	
	553-554	772.45625	802.45625	
	555-556	772.46875	802.46875	
	749-750	773.68125	803.68125	
	751-752	773.69375	803.69375	
	869-870	774.43125	804.43125	
871-872	774.44375	804.44375		
Polk	47-48	769.29375	799.29375	TVRCS Oswald Dome Ch 8 TWRA
	213-214	770.33125	800.33125	TVRCS Oswald Dome Ch 1 WQLE426
	257-258	770.60625	800.60625	TVRCS Oswald Dome Ch 9 TDOT
	369-370	771.30625	801.30625	TVRCS Oswald Dome Ch 2
	385-386	771.40625	801.40625	
	429-430	771.68125	801.68125	TVRCS Oswald Dome Ch 3
	437-438	771.73125	801.73125	
	569-570	772.55625	802.55625	TVRCS Oswald Dome Ch 4
	629-630	772.93125	802.93125	Oswald Dome Ch 7 TDOH Future
	909-910	774.68125	804.68125	TVRCS Oswald Dome Ch 5
	917-918	774.73125	804.73125	
919-920	774.74375	804.74375		
Putnam	45-46	769.28125	799.28125	TACN TDOT Ch 1 WQTG521
	129-130	769.80625	799.80625	TACN TDOT Ch 2
	177-178	770.10625	800.10625	TACN TDOT Ch 3
	283-284	770.76875	800.76875	TACN TDOT Ch 4
	337-338	771.10625	801.10625	
	339-340	771.11875	801.11875	
	401-402	771.50625	801.50625	
	403-404	771.51875	801.51875	
	477-478	771.98125	801.98125	
	479-480	771.99375	801.99375	
	541-542	772.38125	802.38125	
	543-544	772.39375	802.39375	
	581-582	772.63125	802.63125	
	583-584	772.64375	802.64375	
	661-662	773.13125	803.13125	
	663-664	773.14375	803.14375	
	709-710	773.43125	803.43125	
711-712	773.44375	803.44375		

	873-874	774.45625	804.45625	
	875-876	774.46875	804.46875	
	945-946	774.90625	804.90625	
	947-948	774.91875	804.91875	
Rhea	17-18	769.10625	799.10625	Evens Mtn TVRCS WQLE427
	209-210	770.30625	800.30625	Evens Mtn TVRCS
	345-346	771.15625	801.15625	Evens Mtn TVRCS
	381-382	771.38125	801.38125	
	383-384	771.39375	801.39375	
	409-410	771.55625	801.55625	Evens Mtn TVRCS
	449-450	771.80625	801.80625	Evens Mtn TVRCS
	473-474	771.95625	801.95625	
	717-718	773.48125	803.48125	
	719-720	773.49375	803.49375	
Roane	13-14	769.08125	799.08125	Roane Co 911 Roosevelt Mt Ch 1 WQLF556
	85-86	769.53125	799.53125	TVRCS Buttermilk Rd Ch 1 WQNI444
	89-90	769.55625	799.55625	
	91-92	769.56875	799.56875	
	129-130	769.80625	799.80625	LOC BMR TDOT Ch 9
	131-132	769.81875	799.81875	
	207-208	770.29375	800.29375	Don't use at Roosevelt
	249-250	770.55625	800.55625	TVRCS Buttermilk Rd Ch 2
	281-282	770.75625	800.75625	Roane Co 911 Roosevelt Mt Ch 6
	361-362	771.25625	801.25625	Roosevelt Mt Ch 2 Replaced 207-208
	393-394	771.45625	801.45625	Roane Co Jail FB
	441-442	771.75625	801.75625	Roane Co 911 Roosevelt Mt Ch 3
	485-486	772.03125	802.03125	TVRCS Buttermilk Rd Ch 3
	501-502	772.13125	802.13125	Roane Co 911 Roosevelt Mt Ch 4
	529-530	772.30625	802.30625	Needs Adj LOC BMR Ch 8 TWRA
	531-532	772.31875	802.31875	
	565-566	772.53125	802.53125	TVRCS Buttermilk Rd Ch 4
	613-614	772.83125	802.83125	Roane Co 911 Roosevelt Mt Ch 5
	833-834	774.20625	804.20625	TVRCS Buttermilk Rd Ch 5
Robertson	17-18	769.10625	799.10625	TACN Adams Ch 1 WQUV224
	81-82	769.50625	799.50625	
	83-84	769.51875	799.51875	
	169-170	770.05625	800.05625	TACN Adams Ch 2
	253-254	770.58125	800.58125	TACN Adams Ch 3
	357-358	771.23125	801.23125	TACN Adams Ch 6 TWRA
	359-360	771.24375	801.24375	
	401-402	771.50625	801.50625	TACN Adams Ch 7 TDOT
	403-404	771.51875	801.51875	
	445-446	771.78125	801.78125	Two Rivers Adj Ch 443-444
	447-448	771.79375	801.79375	
	505-506	772.15625	802.15625	
	507-508	772.16875	802.16875	
	613-614	772.83125	802.83125	
	615-616	772.84375	802.84375	
	673-674	773.20625	803.20625	
	675-676	773.21875	803.21875	

Rutherford	41-42	769.25625	799.25625	TACN Lynch Hill WQQF489 Ch 1
	85-86	769.53125	799.53125	TACN Lynch Hill WQQF489 Ch 3
	165-166	770.03125	800.03125	TACN Tiger Hill WQQF489 Ch 1
	209-210	770.30625	800.30625	TACN Tiger Hill WQQF489 Ch 3
	249-250	770.55625	800.55625	TACN Lynch Hill WQQF489 Ch 5
	251-252	770.56875	800.56875	
	297-298	770.85625	800.85625	TACN Lynch Hill Ch 7 TWRA
	299-300	770.86875	800.86875	
	353-354	771.20625	801.20625	TACN Lynch Hill Ch 8 TDOT
	373-374	771.33125	801.33125	TACN Tiger Hill Ch 5
	375-376	771.34375	801.34375	
	425-426	771.65625	801.65625	TACN Tiger Hill Ch 6 TWRA
	427-428	771.66875	801.66875	
	469-470	771.93125	801.93125	TACN Tiger Hill Ch 7 TDOT
	471-472	771.94375	801.94375	
	533-534	772.33125	802.33125	
	535-536	772.34375	802.34375	
	577-578	772.60625	802.60625	
	579-580	772.61875	802.61875	
	617-618	772.85625	802.85625	
	619-620	772.86875	802.86875	
	669-670	773.18125	803.18125	
	671-672	773.19375	803.19375	
	717-718	773.48125	803.48125	
	719-720	773.49375	803.49375	
	757-758	773.73125	803.73125	
	759-760	773.74375	803.74375	
	797-798	773.98125	803.98125	
	799-800	773.99375	803.99375	
	877-878	774.48125	804.48125	
	879-880	774.49375	804.49375	
	917-918	774.73125	804.73125	
919-920	774.74375	804.74375		
Scott	95-96	769.59375	799.59375	TACN Black Creek Ch 1 WQQE559
	341-342	771.13125	801.13125	TACN Black Creek Ch 3
	457-458	771.85625	801.85625	Black Creek Future Ch 5 TWRA
	459-460	771.86875	801.86875	
	579-580	772.61875	802.61875	Black Creek Future Ch 6 TWRA
	913-914	774.70625	804.70625	
	915-916	774.71875	804.71875	
Sequatchie	57-58	769.35625	799.35625	TACN College Site WQQD623
	125-126	769.78125	799.78125	TACN College Site
	173-174	770.08125	800.08125	TACN College Site Ch 5
	397-398	771.48125	801.48125	TACN College Site Ch 6
	521-522	772.25625	802.25625	
	523-524	772.26875	802.26875	
	637-638	772.98125	802.98125	
	639-640	772.99375	802.99375	
	741-742	773.63125	803.63125	
	743-744	773.64375	803.64375	

	829-830	774.18125	804.18125	
	831-832	774.19375	804.19375	
Sevier	93-94	769.58125	799.58125	Greentop TVRCS Ch 1 WQMY418
	129-130	769.80625	799.80625	Pigeon Forge PD Pine Mt WQNM526
	175-176	770.09375	800.09375	Greentop TVRCS Ch 2
	215-216	770.34375	800.34375	Pigeon Forge PD Pine Mt
	343-344	771.14375	801.14375	Greentop TVRCS Ch 3
	385-386	771.40625	801.40625	Pigeon Forge PD Pine Mt
	479-480	771.99375	801.99375	Greentop TVRCS Ch 4
	569-570	772.55625	802.55625	Oswald Dome Adj
	571-572	772.56875	802.56875	Lookrock Adj Ch.
	607-608	772.79375	802.79375	Greentop TVRCS Ch 5
	789-790	773.93125	803.93125	Greentop TVRCS Ch 6
	825-826	774.15625	804.15625	Greentop TVRCS Ch 9 TDOT
	827-828	774.16875	804.16875	
	919-920	774.74375	804.74375	Pigeon Forge PD Greentop WQSH806
Shelby	89-90	769.55625	799.55625	TACN Mps HQ Site CC Ch 1 WQRD787
	129-130	769.80625	799.80625	TACN Mps HQ Site CC Ch 2
	169-170	770.05625	800.05625	TACN Arlington CC Ch 1 WQRD787
	209-210	770.30625	800.30625	TACN Arlington CC Ch 2
	249-250	770.55625	800.55625	Collierville SY WQTN806
	289-290	770.80625	800.80625	Collierville SY
	329-330	771.05625	801.05625	Collierville SY
	377-378	771.35625	801.35625	Collierville SY
	429-430	771.68125	801.68125	Collierville SY
	477-478	771.98125	801.98125	Collierville SG WQTN810
	533-534	772.33125	802.33125	TACN Arlington Ch 3
	581-582	772.63125	802.63125	TACN Arlington Ch 4
	633-634	772.95625	802.95625	TACN Arlington Ch 6 TWRA
	635-636	772.96875	802.96875	
	673-674	773.20625	803.20625	TACN Arlington Ch 7 TDOT
	675-676	773.21875	803.21875	
	713-714	773.45625	803.45625	TACN Memphis Ch 10 TDOT
	715-716	773.46875	803.46875	
	753-754	773.70625	803.70625	
	755-756	773.71875	803.71875	
	793-794	773.95625	803.95625	
	795-796	773.96875	803.96875	
	833-834	774.20625	804.20625	TACN Memphis THP Ch 8
	835-836	774.21875	804.21875	
	905-906	774.65625	804.65625	TACN Memphis THP Ch 9
	907-908	774.66875	804.66875	
	945-946	774.90625	804.90625	
	947-948	774.91875	804.91875	
Smith	369-370	771.30625	801.30625	
	371-372	771.31875	801.31875	
	441-442	771.75625	801.75625	
	443-444	771.76875	801.76875	
	525-526	772.28125	802.28125	
	527-528	772.29375	802.29375	

	601-602	772.75625	802.75625	
	603-604	772.76875	802.76875	
	793-794	773.95625	803.95625	
	795-796	773.96875	803.96875	
	865-866	774.40625	804.40625	
	867-868	774.41875	804.41875	
Stewart	345-346	771.15625	801.15625	
	347-348	771.16875	801.16875	
	425-426	771.65625	801.65625	
	427-428	771.66875	801.66875	
	509-510	772.18125	802.18125	
	511-512	772.19375	802.19375	
	565-566	772.53125	802.53125	
	567-568	772.54375	802.54375	
	625-626	772.90625	802.90625	
	627-628	772.91875	802.91875	
Sullivan	17-18	769.10625	799.10625	TACN Bays Mtn WQQE563
	169-170	770.05625	800.05625	TACN Bays Mtn
	281-282	770.75625	800.75625	TACN Holston Mt Ch 3 WQQE563
	381-382	771.38125	801.38125	TACN Holston Mt Ch 1
	425-426	771.65625	801.65625	WCSO Holston Mt Ch 7
	427-428	771.66875	801.66875	
	549-550	772.43125	802.43125	TACN Holston Mt Ch 5
	551-552	772.44375	802.44375	
	673-674	773.20625	803.20625	WCSO Holston Mt Ch 8
	675-676	773.21875	803.21875	
	713-714	773.45625	803.45625	TACN Holston Mt Ch 6 TWRA
	715-716	773.46875	803.46875	
	753-754	773.70625	803.70625	WCSO Holston Mt Ch 9
	755-756	773.71875	803.71875	
	821-822	774.13125	804.13125	
	823-824	774.14375	804.14375	
Sumner	57-58	769.35625	799.35625	TACN Whitehouse Ch 1 WQSX330
	97-98	769.60625	799.60625	TACN Whitehouse Ch 2
	161-162	770.00625	800.00625	TACN Whitehouse Ch 3
	217-218	770.35625	800.35625	TACN Whitehouse Ch 5 TWRA
	219-220	770.36875	800.36875	
	289-290	770.80625	800.80625	TACN Whitehouse Ch 6 TWRA
	291-292	770.81875	800.81875	
	333-334	771.08125	801.08125	TACN Whitehouse Ch 7 TDOT
	335-336	771.09375	801.09375	
	377-378	771.35625	801.35625	
	379-380	771.36875	801.36875	
	465-466	771.90625	801.90625	
	467-468	771.91875	801.91875	
	521-522	772.25625	802.25625	
	523-524	772.26875	802.26875	
	585-586	772.65625	802.65625	
	587-588	772.66875	802.66875	
	701-702	773.38125	803.38125	

	703-704	773.39375	803.39375
	741-742	773.63125	803.63125
	743-744	773.64375	803.64375
	749-750	773.68125	803.68125
	751-752	773.69375	803.69375
	821-822	774.13125	804.13125
	823-824	774.14375	804.14375
	913-914	774.70625	804.70625
	915-916	774.71875	804.71875
Tipton	17-18	769.10625	799.10625
	19-20	769.11875	799.11875
	97-98	769.60625	799.60625
	99-100	769.61875	799.61875
	337-338	771.10625	801.10625
	339-340	771.11875	801.11875
	389-390	771.43125	801.43125
	391-392	771.44375	801.44375
	453-454	771.83125	801.83125
	455-456	771.84375	801.84375
	497-498	772.10625	802.10625
	499-500	772.11875	802.11875
	569-570	772.55625	802.55625
	571-572	772.56875	802.56875
	617-618	772.85625	802.85625
	619-620	772.86875	802.86875
	821-822	774.13125	804.13125
	823-824	774.14375	804.14375
	861-862	774.38125	804.38125
	863-864	774.39375	804.39375
Trousdale	89-90	769.55625	799.55625
	91-92	769.56875	799.56875
	361-362	771.25625	801.25625
	363-364	771.26875	801.26875
	409-410	771.55625	801.55625
	411-412	771.56875	801.56875
	549-550	772.43125	802.43125
	551-552	772.44375	802.44375
	633-634	772.95625	802.95625
	635-636	772.96875	802.96875
Unicoi	85-86	769.53125	799.53125
	87-88	769.54375	799.54375
	329-330	771.05625	801.05625
	331-332	771.06875	801.06875
	509-510	772.18125	802.18125
	511-512	772.19375	802.19375
	577-578	772.60625	802.60625
	579-580	772.61875	802.61875
	793-794	773.95625	803.95625
	795-796	773.96875	803.96875

Union	337-338	771.10625	801.10625	
	339-340	771.11875	801.11875	
	437-438	771.73125	801.73125	
	439-440	771.74375	801.74375	
	517-518	772.23125	802.23125	
	519-520	772.24375	802.24375	
	609-610	772.80625	802.80625	
	611-612	772.81875	802.81875	
	785-786	773.90625	803.90625	
	787-788	773.91875	803.91875	
Van Buren	93-94	769.58125	799.58125	
	95-96	769.59375	799.59375	
	167-168	770.04375	800.04375	
	285-286	770.78125	800.78125	
	287-288	770.79375	800.79375	
	377-378	771.35625	801.35625	
	379-380	771.36875	801.36875	
	513-514	772.20625	802.20625	
	515-516	772.21875	802.21875	
	557-558	772.48125	802.48125	
	559-560	772.49375	802.49375	
	701-702	773.38125	803.38125	
	703-704	773.39375	803.39375	
	909-910	774.68125	804.68125	
911-912	774.69375	804.69375		
Warren	161-162	770.00625	800.00625	
	163-164	770.01875	800.01875	
	217-218	770.35625	800.35625	
	219-220	770.36875	800.36875	
	293-294	770.83125	800.83125	
	295-296	770.84375	800.84375	
	349-350	771.18125	801.18125	
	351-352	771.19375	801.19375	
	393-394	771.45625	801.45625	
	395-396	771.46875	801.46875	
	445-446	771.78125	801.78125	
	447-448	771.79375	801.79375	
	529-530	772.30625	802.30625	
	531-532	772.31875	802.31875	
	569-570	772.55625	802.55625	
	571-572	772.56875	802.56875	
	621-622	772.88125	802.88125	
	623-624	772.89375	802.89375	
	673-674	773.20625	803.20625	
	675-676	773.21875	803.21875	
753-754	773.70625	803.70625		
755-756	773.71875	803.71875		
Washington	129-130	769.80625	799.80625	WCSO Ch 1 GRAY Needs Adj State LOC
	131-132	769.81875	799.81875	
	133-134	769.83125	799.83125	TACN Fall Branch Ch 1 WQQD630

217-218	770.35625	800.35625	Johnson City FB2T WQLA464
373-374	771.33125	801.33125	TACN Fall Branch Ch 3
385-386	771.40625	801.40625	2. GRAY Needs Adj State LOC
387-388	771.41875	801.41875	
445-446	771.78125	801.78125	Johnson City FB2T
477-478	771.98125	801.98125	Ch 7 WCSO @ Fall Branch Needs LOC
479-480	771.99375	801.99375	
481-482	772.00625	802.00625	3. GRAY Needs Adj State LOC
483-484	772.01875	802.01875	
489-490	772.05625	802.05625	Johnson City FB2T
541-542	772.38125	802.38125	Possible Conflict with Claiborne Co Springdale
543-544	772.39375	802.39375	
565-566	772.53125	802.53125	TACN Fall Branch Ch 5
567-568	772.54375	802.54375	
589-590	772.68125	802.68125	4. GRAY
591-592	772.69375	802.69375	
613-614	772.83125	802.83125	Ch 8 WCSO @ Fall Branch Needs LOC
615-616	772.84375	802.84375	
661-662	773.13125	803.13125	5. GRAY
663-664	773.14375	803.14375	
665-666	773.15625	803.15625	Ch 9 WCSO @ Fall Branch Needs LOC
667-668	773.16875	803.16875	
781-782	773.88125	803.88125	6. GRAY
783-784	773.89375	803.89375	
865-866	774.40625	804.40625	Ch 10 WCSO @ Fall Branch Needs LOC
867-868	774.41875	804.41875	

Wayne

169-170	770.05625	800.05625
171-172	770.06875	800.06875
249-250	770.55625	800.55625
251-252	770.56875	800.56875
333-334	771.08125	801.08125
335-336	771.09375	801.09375
417-418	771.60625	801.60625
419-420	771.61875	801.61875
565-566	772.53125	802.53125
567-568	772.54375	802.54375
617-618	772.85625	802.85625
619-620	772.86875	802.86875
861-862	774.38125	804.38125
863-864	774.39375	804.39375

Weakley

85-86	769.53125	799.53125	TACN UT Martin WQSD676 Ch 1
129-130	769.80625	799.80625	TACN Gleason WQSD676 Ch 1
173-174	770.08125	800.08125	TACN UT Martin Ch 2
213-214	770.33125	800.33125	TACN Gleason Ch 2
333-334	771.08125	801.08125	TACN UT Martin Ch 3
405-406	771.53125	801.53125	TACN Gleason Ch 3
461-462	771.88125	801.88125	TACN UT Martin Ch 5 TWRA
463-464	771.89375	801.89375	
501-502	772.13125	802.13125	TACN Gleason Ch 5
503-504	772.14375	802.14375	
593-594	772.70625	802.70625	TACN UT Martin Ch 6 TWRA

	595-596	772.71875	802.71875	
	661-662	773.13125	803.13125	TACN Gleason Ch 6 TWRA
	663-664	773.14375	803.14375	
	861-862	774.38125	804.38125	
	863-864	774.39375	804.39375	
White	81-82	769.50625	799.50625	
	83-84	769.51875	799.51875	
	121-122	769.75625	799.75625	
	123-124	769.76875	799.76875	
	385-386	771.40625	801.40625	
	387-388	771.41875	801.41875	
	453-454	771.83125	801.83125	
	455-456	771.84375	801.84375	
	505-506	772.15625	802.15625	
	507-508	772.16875	802.16875	
	597-598	772.73125	802.73125	
	599-600	772.74375	802.74375	
	825-826	774.15625	804.15625	
	827-828	774.16875	804.16875	
	901-902	774.63125	804.63125	
	903-904	774.64375	804.64375	
Williamson	13-14	769.08125	799.08125	TACN Fairview Ch 1 WQUB970
	19-20	769.11875	799.11875	WC 12
	59-60	769.36875	799.36875	WC 13
	121-122	769.75625	799.75625	TACN Fairview Ch 2
	171-172	770.06875	800.06875	
	177-178	770.10625	800.10625	TACN Fairview Ch 3
	257-258	770.60625	800.60625	TACN Fairview Ch 5 (Can we swap for SLC)
	259-260	770.61875	800.61875	
	337-338	771.10625	801.10625	WC 1
	339-340	771.11875	801.11875	
	397-398	771.48125	801.48125	WC 2
	399-400	771.49375	801.49375	
	453-454	771.83125	801.83125	WC 3
	455-456	771.84375	801.84375	
	501-502	772.13125	802.13125	WC 4
	503-504	772.14375	802.14375	
	525-526	772.28125	802.28125	TACN Fairview 7 TDOT
	527-528	772.29375	802.29375	
	541-542	772.38125	802.38125	WC 5
	543-544	772.39375	802.39375	
	573-574	772.58125	802.58125	WC 6
	575-576	772.59375	802.59375	
	605-606	772.78125	802.78125	WC 7
	607-608	772.79375	802.79375	
	661-662	773.13125	803.13125	WC 8
	663-664	773.14375	803.14375	
	781-782	773.88125	803.88125	WC 9
	783-784	773.89375	803.89375	
	901-902	774.63125	804.63125	WC 10
	903-904	774.64375	804.64375	

	945-946	774.90625	804.90625	WC 11
	947-948	774.91875	804.91875	
Wilson	125-126	769.78125	799.78125	TACN Franklin Rd Ch 1 WQQE558
	173-174	770.08125	800.08125	TACN Franklin Rd Ch 3
	345-346	771.15625	801.15625	TACN Franklin Rd Ch 5
	347-348	771.16875	801.16875	
	389-390	771.43125	801.43125	TACN Franklin Rd Ch 6 TWRA
	391-392	771.44375	801.44375	
	449-450	771.80625	801.80625	TACN Franklin Rd Ch 7 TDOT
	451-452	771.81875	801.81875	
	497-498	772.10625	802.10625	
	499-500	772.11875	802.11875	
	565-566	772.53125	802.53125	
	567-568	772.54375	802.54375	
	625-626	772.90625	802.90625	
	627-628	772.91875	802.91875	
	677-678	773.23125	803.23125	
	679-680	773.24375	803.24375	
	837-838	774.23125	804.23125	
	839-840	774.24375	804.24375	
	905-906	774.65625	804.65625	
	907-908	774.66875	804.66875	

Interoperability

County	FCC Channel Number	Base Frequency	Mobile Frequency	Notation
Shelby	657-658	773.10625	803.10625	Collierville WQTN810
Williamson	23-24	769.14375	799.14375	Fairview Site WQTG663
	103-104	769.64375	799.64375	Pinewood Rd WQTG663 7TAC52
	183-184	770.14375	800.14375	Nolensville WQTG663
	263-264	770.64375	800.64375	College Grove WQTG663

I/O Calling Ch.

County	FCC Channel Number	Base Frequency	Mobile Frequency	Notation
Polk	681-682	773.25625	803.25625	Oswald Dome WQWE409 Chattanooga
Shelby	39-40	769.24375	799.24375	Collierville WQTN810

Low Power

County	FCC Channel Number	Base Frequency	Mobile Frequency	Notation
Carter	2-Jan	769.00625	799.00625	Using old band plan 764/794.00625
Johnson	2-Jan	769.00625	799.00625	TDOC Carter Co WC
Wayne	2-Jan	769.00625	799.00625	TDOC MO3 WQNY389

Appendix H

Below form is a copy of the updated document that has been signed by each adjacent region.

Inter-Regional Coordination Procedures and Procedures for Resolution of Disputes That May Arise
During the FCC Licensing Process.

Introduction

This is a mutually agreed upon Inter-Regional Coordination Procedures Agreement and Dispute Resolution Agreement between Region 39 700 MHz Regional Planning Committee and Region NN Planning Committee.

The following is the specific procedure for inter-Regional coordination and dispute resolution; which has been agreed upon by Regions 39 Tennessee, Region 1 Alabama, Region 4 Arkansas, Region 10 Georgia, Region 13 Southern Illinois, Region 17 Kentucky, Region 23 Mississippi, Region 24 Missouri, Region 31 North Carolina, Region 37 South Carolina, Region 42 Virginia, and Region 44 West Virginia, which will be used by the Regions to coordinate with adjacent Regional Planning Committees.

REGIONAL 39 COORDINATION PROCEDURE

The coordination procedure will consist of the following steps:

1. Region 39 will receive application(s) at any time of the year, there is no filling window. Applications are accept on a first-come/first-served basis. Applicants should notify the Region 39 Chair, Vice Chair or Secretary that an application has been sent in for processing.
2. Applications by eligible entities are received, preferably via CAPRAD.
3. Applications are reviewed by the Chair, Vice Chair or other designated member(s) of Region 39 to see if the application can go forward (be accepted). If not, the application is returned to the applicant, with an email notification with an explanation of the issue. Applications should be reviewed within ten days of receipt.
4. Regional review and coordination takes place, including a technical review resulting in assignment of channels. This should be completed with 15 calendar days once the application is accepted.
5. After Regional review, a copy of those frequency-specific applications requiring adjacent Region approval, shall then be forwarded to the adjacent Region(s) for review. ¹
This information will be sent to the adjacent Regional chairperson(s) using the CAPRAD database if feasible.
6. The adjacent Region(s) review the application. If the application is approved, a letter of concurrence shall be sent, via the CAPRAD database or email, to the initiating Regional chairperson within ten (10) business days.
7. Where adjacent Region concurrence has been secured the initiating Region may then advise the applicant(s) that their application are being forwarded to the FCC certified frequency coordinator of the applicants choice for processing and filing with the Commission. Once an application has been approved by the FCC, the FCC call sign should be added to that channel in the CAPRAD database.
8. Where adjacent Region concurrence has been secured, and the channel assignments did result in a change to the Region's currently Commission approved channel assignment matrix, then the initiating Region shall update their database in CAPRAD to reflect that change. Once an application has been approved by the FCC, the FCC call sign should be added to that channel in the CAPRAD database.
9. It is the responsibility of the Regional Chair, Vice Chair or their designee to keep the Regions CAPRAD database current. A back up copy of the Region's channel allotment should be maintained off the CAPRAD system in case of CAPRAD system failure.

¹ If an applicant's proposed service area extends into an adjacent Public Safety Region (s), the affected Region(s) must approve the application. Service area shall normally be defined as the area included within the geographical boundary of the applicant, plus five (5) miles. Other definitions of service area shall be justified with an accompanying *Memorandum of Understanding (MOU)* or other application documentation between agencies, i.e. mutual aid agreements.

10. Region 39's channel allotment will be filed with the FCC bi-annually (every other year) unless other changes in the Plan needs to be made prior to the next filing cycle. Filings should be made in the odd years when elections are held for Officers.

Application Dispute Resolution

The procedure will consist of the following steps should a dispute occur:

If the adjacent Region(s) cannot approve the request, the adjacent Region shall document the reasons for partial or non-concurrence, and respond within ten (10) calendar days via mail, email or fax. If the applying Region cannot modify the application to satisfy the objections of the adjacent Region then, a working group comprised of representatives of the two Regions shall be convened within thirty (30) calendar days, starting at the time the application was sent to the adjacent region(s), to attempt to resolve the dispute. The working group shall then report its findings within thirty (15) calendar days to the Regional chairpersons via email, mail or fax. Findings may include, but not be limited to unconditional concurrence; conditional concurrence contingent upon modification of applicant's technical parameters; or partial or total denial of proposed frequencies due to inability to meet co-channel/adjacent channel interference free protection to existing licensees within the adjacent Region or an on the air test between the two system may be requested.

If the Inter-Regional Working Group cannot resolve the dispute, then the matter shall be forwarded for evaluation to the National Regional Planning Committee (NRPC) Chair, Vice Chair & Secretary via email. Each Region involved in the dispute shall include a detailed explanation of its position, including engineering studies and any other technical information deemed relevant. The NRPC will, within thirty (30) calendar days, report its recommendation(s) to the Regional chairpersons via email and a copy should be uploaded to the CAPRAD database in the applicant file. The NRPC's decision may support either of the disputing Regions or it may develop a proposal that it deems mutually advantageous to each disputing Region.

Interference / Disputes after the FCC License is Issued

If interference between a new system and an existing system should occur after the FCC issues the license for the new system, Region 39 pledges to work with the system operators or other affected Regions to help resolve or mitigate any harmful interference. The licensee receiving the interference may at any time contact the FCC to report the interference and request the FCC's help. The FCC does have a MOU with APCO to help resolve frequency interference complaints.

CONCLUSION

In agreement hereto, Regions 39 and Region 1, 4, 10, 13, 17, 23, 24, 31, 37, 42 and 44 do by the signing of the document pledge to abide by this Agreement.

Respectfully,

[all signatories to agreement]

Date: _____

Appendix I

FCC Designated Deployable / Reserve Channels Recommended Usages

FCC Ch. #	ANSI Channel Name	Mobile RX	Mobile RX Tone	Mobile Tx	Mobile TX Tone	Comments
37-38	General Use-D	769.2313		799.2313		Recommended for Nationwide Deployable Use
61-62	General Use-D	769.3813		799.3813		Recommended for Nationwide Deployable Use
77-78	General Use	769.4813		799.4813		Recommended for Vehicular Repeater Use (MO3)
117-118	General Use-D	769.7313		799.7313		Recommended for Nationwide Deployable Use
141-142	General Use-D	769.8813		799.8813		Recommended for Nationwide Deployable Use
157-158	General Use	769.9813		799.9813		Recommended for Vehicular Repeater Use (MO3)
197-198	General Use	770.2313		800.2313		Available
221-222	General Use	770.3813		800.3813		Available
237-238	General Use	770.4813		800.4813		Available
277-278	General Use	770.7313		800.7313		Available
301-302	General Use	770.8813		800.8813		Available
317-318	General Use	770.9813		800.9813		Available
643-644	General Use	773.0188		803.0188		Available
683-684	General Use	773.2688		803.2688		Available
699-700	General Use	773.3688		803.3688		Available
723-724	General Use	773.5188		803.5188		Available
763-764	General Use	773.7688		803.7688		Available
779-780	General Use	773.8688		803.8688		Available
803-804	General Use	774.0188		804.0188		Available
843-844	General Use	774.2688		804.2688		Available
859-860	General Use	774.3688		804.3688		Recommended for Vehicular Repeater Use (MO3)
883-884	General Use-D	774.5188		804.5188		Recommended for Nationwide Deployable Use (Alt CC)**
923-924	General Use	774.7688		804.7688		Recommended for Vehicular Repeater Use (MO3)
939-940	General Use-D	774.8688		804.8688		Recommended for Nationwide Deployable Use (Pri CC)**

** Channels 883-884 and 939-940 are designated as Alternate and Primary Control Channels for the Nationwide 700 MHz Deployable Trunked Systems.

Appendix J

Low Power Channels

FCC Ch. #	MO RX Center Frequency		Allocation	FCC Ch. #	MO TX Center Frequency	
	6.25 kHz	12.5 kHz			6.25 kHz	12.5 kHz
1	769.003125	769.00625	RPC Coordinated	961	799.0031250	799.00625
2	769.009375		RPC Coordinated	962	799.0093750	
3	769.015625	769.01875	RPC Coordinated	963	799.0156250	799.01875
4	769.021875		RPC Coordinated	964	799.0218750	
5	769.028125	769.03125	RPC Coordinated	965	799.0281250	799.03125
6	769.034375		RPC Coordinated	966	799.0343750	
7	769.040625	769.04375	RPC Coordinated	967	799.0406250	799.04375
8	769.046875		RPC Coordinated	968	799.0468750	
9	769.053125	769.05625	low power - Itinerant	969	799.0531250	799.05625
10	769.059375		low power - Itinerant	970	799.0593750	
11	769.065625	769.06875	low power - Itinerant	971	799.0656250	799.06875
12	769.071875		low power - Itinerant	972	799.0718750	
949	774.928125	774.93125	RPC Coordinated	1909	804.9281250	804.93125
950	774.934375		RPC Coordinated	1910	804.9343750	
951	774.940625	774.94375	RPC Coordinated	1911	804.9406250	804.94375
952	774.946875		RPC Coordinated	1912	804.9468750	
953	774.953125	774.95625	RPC Coordinated	1913	804.9531250	804.95625
954	774.959375		RPC Coordinated	1914	804.9593750	
955	774.965625	774.96875	RPC Coordinated	1915	804.9656250	804.96875
956	774.971875		RPC Coordinated	1916	804.9718750	
957	774.978125	774.98125	RPC Coordinated	1917	804.9781250	804.98125
958	774.984375		RPC Coordinated	1918	804.9843750	
959	774.990625	774.99375	low power - Itinerant	1919	804.9906250	804.99375
960	774.996875		low power - Itinerant	1920	804.9968750	

Appendix K

700 MHz FREQUENCY TABLE

CHANNEL NUMBERS & CHANNEL FREQUENCIES AT 25 KHz / 12.5 KHz / 6.25 KHz

FCC Ch. #	Narrowband Mobile RX (Simplex) Channels			Allocation	FCC Ch. #	Narrowband Mobile TX Channels		
	Center Frequency					Center Frequency		
	6.25 kHz	12.5 kHz	25 kHz			6.25 kHz	12.5 kHz	25 kHz
1	769.003125	769.00625		low power	961	799.003125	799.00625	
2	769.009375			low power	962	799.009375		
3	769.015625	769.01875		low power	963	799.015625	799.01875	
4	769.021875			low power	964	799.021875		
5	769.028125	769.03125		low power	965	799.028125	799.03125	
6	769.034375			low power	966	799.034375		
7	769.040625	769.04375		low power	967	799.040625	799.04375	
8	769.046875			low power	968	799.046875		
9	769.053125	769.05625		low power - Itenerant	969	799.053125	799.05625	
10	769.059375			low power - Itenerant	970	799.059375		
11	769.065625	769.06875		low power - Itenerant	971	799.065625	799.06875	
12	769.071875			low power - Itenerant	972	799.071875		
13	769.078125	769.08125	769.08750	General Use	973	799.078125	799.08125	799.08750
14	769.084375			General Use	974	799.084375		
15	769.090625	769.09375		General Use	975	799.090625	799.09375	
16	769.096875			General Use	976	799.096875		
17	769.103125	769.10625	769.11250	General Use	977	799.103125	799.10625	799.11250
18	769.109375			General Use	978	799.109375		
19	769.115625	769.11875		General Use	979	799.115625	799.11875	
20	769.121875			General Use	980	799.121875		
21	769.128125	769.13125		Air-to-Ground	981	799.128125	799.13125	
22	769.134375			Air-to-Ground	982	799.134375		
23	769.140625	769.14375		Interoperability 7TAC51	983	799.140625	799.14375	
24	769.146875			Interoperability 7TAC51	984	799.146875		
25	769.153125	769.15625	769.16250	State license	985	799.153125	799.15625	799.16250
26	769.159375			State license	986	799.159375		
27	769.165625	769.16875		State license	987	799.165625	799.16875	
28	769.171875			State license	988	799.171875		
29	769.178125	769.18125	769.18750	State license	989	799.178125	799.18125	799.18750
30	769.184375			State license	990	799.184375		
31	769.190625	769.19375		State license	991	799.190625	799.19375	
32	769.196875			State license	992	799.196875		
33	769.203125	769.20625	769.21250	State license	993	799.203125	799.20625	799.21250
34	769.209375			State license	994	799.209375		
35	769.215625	769.21875		State license	995	799.215625	799.21875	
36	769.221875			State license	996	799.221875		
37	769.228125	769.23125	769.23750	General Use - Deployable	997	799.228125	799.23125	799.23750
38	769.234375			General Use - Deployable	998	799.234375		

39	769.240625	769.24375		Interoperability 7CALL50	999	799.240625	799.24375	
40	769.246875			Interoperability 7CALL50	1000	799.246875		
41	769.253125	769.25625	769.26250	General Use	1001	799.253125	799.25625	799.26250
42	769.259375			General Use	1002	799.259375		
43	769.265625	769.26875		General Use	1003	799.265625	799.26875	
44	769.271875			General Use	1004	799.271875		
45	769.278125	769.28125	769.28750	General Use	1005	799.278125	799.28125	799.28750
46	769.284375			General Use	1006	799.284375		
47	769.290625	769.29375		General Use	1007	799.290625	799.29375	
48	769.296875			General Use	1008	799.296875		
49	769.303125	769.30625	769.31250	General Use	1009	799.303125	799.30625	799.31250
50	769.309375			General Use	1010	799.309375		
51	769.315625	769.31875		General Use	1011	799.315625	799.31875	
52	769.321875			General Use	1012	799.321875		
53	769.328125	769.33125	769.33750	General Use	1013	799.328125	799.33125	799.33750
54	769.334375			General Use	1014	799.334375		
55	769.340625	769.34375		General Use	1015	799.340625	799.34375	
56	769.346875			General Use	1016	799.346875		
57	769.353125	769.35625	769.36250	General Use	1017	799.353125	799.35625	799.36250
58	769.359375			General Use	1018	799.359375		
59	769.365625	769.36875		General Use	1019	799.365625	799.36875	
60	769.371875			General Use	1020	799.371875		
61	769.378125	769.38125	769.38750	General Use - Deployable	1021	799.378125	799.38125	799.38750
62	769.384375			General Use - Deployable	1022	799.384375		
63	769.390625	769.39375		Interoperability 7MED65	1023	799.390625	799.39375	
64	769.396875			Interoperability 7MED65	1024	799.396875		
65	769.403125	769.40625	769.41250	State license	1025	799.403125	799.40625	799.41250
66	769.409375			State license	1026	799.409375		
67	769.415625	769.41875		State license	1027	799.415625	799.41875	
68	769.421875			State license	1028	799.421875		
69	769.428125	769.43125	769.43750	State license	1029	799.428125	799.43125	799.43750
70	769.434375			State license	1030	799.434375		
71	769.440625	769.44375		State license	1031	799.440625	799.44375	
72	769.446875			State license	1032	799.446875		
73	769.453125	769.45625	769.46250	State license	1033	799.453125	799.45625	799.46250
74	769.459375			State license	1034	799.459375		
75	769.465625	769.46875		State license	1035	799.465625	799.46875	
76	769.471875			State license	1036	799.471875		
77	769.478125	769.48125	769.48750	General Use (MO3)	1037	799.478125	799.48125	799.48750
78	769.484375			General Use (MO3)	1038	799.484375		
79	769.490625	769.49375		Interoperability 7MED66	1039	799.490625	799.49375	
80	769.496875			Interoperability 7MED66	1040	799.496875		
81	769.503125	769.50625	769.51250	General Use	1041	799.503125	799.50625	799.51250
82	769.509375			General Use	1042	799.509375		
83	769.515625	769.51875		General Use	1043	799.515625	799.51875	
84	769.521875			General Use	1044	799.521875		

85	769.528125	769.53125	769.53750	General Use	1045	799.528125	799.53125	799.53750
86	769.534375			General Use	1046	799.534375		
87	769.540625	769.54375		General Use	1047	799.540625	799.54375	
88	769.546875			General Use	1048	799.546875		
89	769.553125	769.55625	769.56250	General Use	1049	799.553125	799.55625	799.56250
90	769.559375			General Use	1050	799.559375		
91	769.565625	769.56875		General Use	1051	799.565625	799.56875	
92	769.571875			General Use	1052	799.571875		
93	769.578125	769.58125	769.58750	General Use	1053	799.578125	799.58125	799.58750
94	769.584375			General Use	1054	799.584375		
95	769.590625	769.59375		General Use	1055	799.590625	799.59375	
96	769.596875			General Use	1056	799.596875		
97	769.603125	769.60625	769.61250	General Use	1057	799.603125	799.60625	799.61250
98	769.609375			General Use	1058	799.609375		
99	769.615625	769.61875		General Use	1059	799.615625	799.61875	
100	769.621875			General Use	1060	799.621875		
101	769.628125	769.63125		Air-to-Ground	1061	799.628125	799.63125	
102	769.634375			Air-to-Ground	1062	799.634375		
103	769.640625	769.64375		Interoperability 7TAC52	1063	799.640625	799.64375	
104	769.646875			Interoperability 7TAC52	1064	799.646875		
105	769.653125	769.65625	769.66250	State license	1065	799.653125	799.65625	799.66250
106	769.659375			State license	1066	799.659375		
107	769.665625	769.66875		State license	1067	799.665625	799.66875	
108	769.671875			State license	1068	799.671875		
109	769.678125	769.68125	769.68750	State license	1069	799.678125	799.68125	799.68750
110	769.684375			State license	1070	799.684375		
111	769.690625	769.69375		State license	1071	799.690625	799.69375	
112	769.696875			State license	1072	799.696875		
113	769.703125	769.70625	769.71250	State license	1073	799.703125	799.70625	799.71250
114	769.709375			State license	1074	799.709375		
115	769.715625	769.71875		State license	1075	799.715625	799.71875	
116	769.721875			State license	1076	799.721875		
117	769.728125	769.73125	769.73750	General Use - Deployable	1077	799.728125	799.73125	799.73750
118	769.734375			General Use - Deployable	1078	799.734375		
119	769.740625	769.74375		Interoperability 7TAC55	1079	799.740625	799.74375	
120	769.746875			Interoperability 7TAC55	1080	799.746875		
121	769.753125	769.75625	769.76250	General Use	1081	799.753125	799.75625	799.76250
122	769.759375			General Use	1082	799.759375		
123	769.765625	769.76875		General Use	1083	799.765625	799.76875	
124	769.771875			General Use	1084	799.771875		
125	769.778125	769.78125	769.78750	General Use	1085	799.778125	799.78125	799.78750
126	769.784375			General Use	1086	799.784375		
127	769.790625	769.79375		General Use	1087	799.790625	799.79375	
128	769.796875			General Use	1088	799.796875		
129	769.803125	769.80625	769.81250	General Use	1089	799.803125	799.80625	799.81250
130	769.809375			General Use	1090	799.809375		

131	769.815625	769.81875		General Use	1091	799.815625	799.81875	
132	769.821875			General Use	1092	799.821875		
133	769.828125	769.83125	769.83750	General Use	1093	799.828125	799.83125	799.83750
134	769.834375			General Use	1094	799.834375		
135	769.840625	769.84375		General Use	1095	799.840625	799.84375	
136	769.846875			General Use	1096	799.846875		
137	769.853125	769.85625	769.86250	General Use	1097	799.853125	799.85625	799.86250
138	769.859375			General Use	1098	799.859375		
139	769.865625	769.86875		General Use	1099	799.865625	799.86875	
140	769.871875			General Use	1100	799.871875		
141	769.878125	769.88125	769.88750	General Use - Deployable	1101	799.878125	799.88125	799.88750
142	769.884375			General Use - Deployable	1102	799.884375		
143	769.890625	769.89375		Interoperability 7FIRE63	1103	799.890625	799.89375	
144	769.896875			Interoperability 7FIRE63	1104	799.896875		
145	769.903125	769.90625	769.91250	State license	1105	799.903125	799.90625	799.91250
146	769.909375			State license	1106	799.909375		
147	769.915625	769.91875		State license	1107	799.915625	799.91875	
148	769.921875			State license	1108	799.921875		
149	769.928125	769.93125	769.93750	State license	1109	799.928125	799.93125	799.93750
150	769.934375			State license	1110	799.934375		
151	769.940625	769.94375		State license	1111	799.940625	799.94375	
152	769.946875			State license	1112	799.946875		
153	769.953125	769.95625	769.96250	State license	1113	799.953125	799.95625	799.96250
154	769.959375			State license	1114	799.959375		
155	769.965625	769.96875		State license	1115	799.965625	799.96875	
156	769.971875			State license	1116	799.971875		
157	769.978125	769.98125	769.98750	General Use (MO3)	1117	799.978125	799.98125	799.98750
158	769.984375			General Use (MO3)	1118	799.984375		
159	769.990625	769.99375		Interoperability 7FIRE64	1119	799.990625	799.99375	
160	769.996875			Interoperability 7FIRE64	1120	799.996875		
161	770.003125	770.00625	770.01250	General Use	1121	800.003125	800.00625	800.01250
162	770.009375			General Use	1122	800.009375		
163	770.015625	770.01875		General Use	1123	800.015625	800.01875	
164	770.021875			General Use	1124	800.021875		
165	770.028125	770.03125	770.03750	General Use	1125	800.028125	800.03125	800.03750
166	770.034375			General Use	1126	800.034375		
167	770.040625	770.04375		General Use	1127	800.040625	800.04375	
168	770.046875			General Use	1128	800.046875		
169	770.053125	770.05625	770.06250	General Use	1129	800.053125	800.05625	800.06250
170	770.059375			General Use	1130	800.059375		
171	770.065625	770.06875		General Use	1131	800.065625	800.06875	
172	770.071875			General Use	1132	800.071875		
173	770.078125	770.08125	770.08750	General Use	1133	800.078125	800.08125	800.08750
174	770.084375			General Use	1134	800.084375		
175	770.090625	770.09375		General Use	1135	800.090625	800.09375	
176	770.096875			General Use	1136	800.096875		

177	770.103125	770.10625	770.11250	General Use	1137	800.103125	800.10625	800.11250
178	770.109375			General Use	1138	800.109375		
179	770.115625	770.11875		General Use	1139	800.115625	800.11875	
180	770.121875			General Use	1140	800.121875		
181	770.128125	770.13125		Air-to-Ground	1141	800.128125	800.13125	
182	770.134375			Air-to-Ground	1142	800.134375		
183	770.140625	770.14375		Interoperability 7TAC53	1143	800.140625	800.14375	
184	770.146875			Interoperability 7TAC53	1144	800.146875		
185	770.153125	770.15625	770.16250	State license	1145	800.153125	800.15625	800.16250
186	770.159375			State license	1146	800.159375		
187	770.165625	770.16875		State license	1147	800.165625	800.16875	
188	770.171875			State license	1148	800.171875		
189	770.178125	770.18125	770.18750	State license	1149	800.178125	800.18125	800.18750
190	770.184375			State license	1150	800.184375		
191	770.190625	770.19375		State license	1151	800.190625	800.19375	
192	770.196875			State license	1152	800.196875		
193	770.203125	770.20625	770.21250	State license	1153	800.203125	800.20625	800.21250
194	770.209375			State license	1154	800.209375		
195	770.215625	770.21875		State license	1155	800.215625	800.21875	
196	770.221875			State license	1156	800.221875		
197	770.228125	770.23125	770.23750	General Use	1157	800.228125	800.23125	800.23750
198	770.234375			General Use	1158	800.234375		
199	770.240625	770.24375		Interoperability 7TAC56	1159	800.240625	800.24375	
200	770.246875			Interoperability 7TAC56	1160	800.246875		
201	770.253125	770.25625	770.26250	General Use	1161	800.253125	800.25625	800.26250
202	770.259375			General Use	1162	800.259375		
203	770.265625	770.26875		General Use	1163	800.265625	800.26875	
204	770.271875			General Use	1164	800.271875		
205	770.278125	770.28125	770.28750	General Use	1165	800.278125	800.28125	800.28750
206	770.284375			General Use	1166	800.284375		
207	770.290625	770.29375		General Use	1167	800.290625	800.29375	
208	770.296875			General Use	1168	800.296875		
209	770.303125	770.30625	770.31250	General Use	1169	800.303125	800.30625	800.31250
210	770.309375			General Use	1170	800.309375		
211	770.315625	770.31875		General Use	1171	800.315625	800.31875	
212	770.321875			General Use	1172	800.321875		
213	770.328125	770.33125	770.33750	General Use	1173	800.328125	800.33125	800.33750
214	770.334375			General Use	1174	800.334375		
215	770.340625	770.34375		General Use	1175	800.340625	800.34375	
216	770.346875			General Use	1176	800.346875		
217	770.353125	770.35625	770.36250	General Use	1177	800.353125	800.35625	800.36250
218	770.359375			General Use	1178	800.359375		
219	770.365625	770.36875		General Use	1179	800.365625	800.36875	
220	770.371875			General Use	1180	800.371875		
221	770.378125	770.38125	770.38750	General Use	1181	800.378125	800.38125	800.38750
222	770.384375			General Use	1182	800.384375		

223	770.390625	770.39375		Interoperability 7LAW61	1183	800.390625	800.39375	
224	770.396875			Interoperability 7LAW61	1184	800.396875		
225	770.403125	770.40625	770.41250	State license	1185	800.403125	800.40625	800.41250
226	770.409375			State license	1186	800.409375		
227	770.415625	770.41875		State license	1187	800.415625	800.41875	
228	770.421875			State license	1188	800.421875		
229	770.428125	770.43125	770.43750	State license	1189	800.428125	800.43125	800.43750
230	770.434375			State license	1190	800.434375		
231	770.440625	770.44375		State license	1191	800.440625	800.44375	
232	770.446875			State license	1192	800.446875		
233	770.453125	770.45625	770.46250	State license	1193	800.453125	800.45625	800.46250
234	770.459375			State license	1194	800.459375		
235	770.465625	770.46875		State license	1195	800.465625	800.46875	
236	770.471875			State license	1196	800.471875		
237	770.478125	770.48125	770.48750	General Use	1197	800.478125	800.48125	800.48750
238	770.484375			General Use	1198	800.484375		
239	770.490625	770.49375		Interoperability 7LAW62	1199	800.490625	800.49375	
240	770.496875			Interoperability 7LAW62	1200	800.496875		
241	770.503125	770.50625	770.51250	General Use	1201	800.503125	800.50625	800.51250
242	770.509375			General Use	1202	800.509375		
243	770.515625	770.51875		General Use	1203	800.515625	800.51875	
244	770.521875			General Use	1204	800.521875		
245	770.528125	770.53125	770.53750	General Use	1205	800.528125	800.53125	800.53750
246	770.534375			General Use	1206	800.534375		
247	770.540625	770.54375		General Use	1207	800.540625	800.54375	
248	770.546875			General Use	1208	800.546875		
249	770.553125	770.55625	770.56250	General Use	1209	800.553125	800.55625	800.56250
250	770.559375			General Use	1210	800.559375		
251	770.565625	770.56875		General Use	1211	800.565625	800.56875	
252	770.571875			General Use	1212	800.571875		
253	770.578125	770.58125	770.58750	General Use	1213	800.578125	800.58125	800.58750
254	770.584375			General Use	1214	800.584375		
255	770.590625	770.59375		General Use	1215	800.590625	800.59375	
256	770.596875			General Use	1216	800.596875		
257	770.603125	770.60625	770.61250	General Use	1217	800.603125	800.60625	800.61250
258	770.609375			General Use	1218	800.609375		
259	770.615625	770.61875		General Use	1219	800.615625	800.61875	
260	770.621875			General Use	1220	800.621875		
261	770.628125	770.63125		Air-to-Ground	1221	800.628125	800.63125	
262	770.634375			Air-to-Ground	1222	800.634375		
263	770.640625	770.64375		Interoperability 7TAC54	1223	800.640625	800.64375	
264	770.646875			Interoperability 7TAC54	1224	800.646875		
265	770.653125	770.65625	770.66250	State license	1225	800.653125	800.65625	800.66250
266	770.659375			State license	1226	800.659375		
267	770.665625	770.66875		State license	1227	800.665625	800.66875	
268	770.671875			State license	1228	800.671875		

269	770.678125	770.68125	770.68750	State license	1229	800.678125	800.68125	800.68750
270	770.684375			State license	1230	800.684375		
271	770.690625	770.69375		State license	1231	800.690625	800.69375	
272	770.696875			State license	1232	800.696875		
273	770.703125	770.70625	770.71250	State license	1233	800.703125	800.70625	800.71250
274	770.709375			State license	1234	800.709375		
275	770.715625	770.71875		State license	1235	800.715625	800.71875	
276	770.721875			State license	1236	800.721875		
277	770.728125	770.73125	770.73750	General Use	1237	800.728125	800.73125	800.73750
278	770.734375			General Use	1238	800.734375		
279	770.740625	770.74375		I/O LS data 7DATA69	1239	800.740625	800.74375	
280	770.746875			I/O LS data 7DATA69	1240	800.746875		
281	770.753125	770.75625	770.76250	General Use	1241	800.753125	800.75625	800.76250
282	770.759375			General Use	1242	800.759375		
283	770.765625	770.76875		General Use	1243	800.765625	800.76875	
284	770.771875			General Use	1244	800.771875		
285	770.778125	770.78125	770.78750	General Use	1245	800.778125	800.78125	800.78750
286	770.784375			General Use	1246	800.784375		
287	770.790625	770.79375		General Use	1247	800.790625	800.79375	
288	770.796875			General Use	1248	800.796875		
289	770.803125	770.80625	770.81250	General Use	1249	800.803125	800.80625	800.81250
290	770.809375			General Use	1250	800.809375		
291	770.815625	770.81875		General Use	1251	800.815625	800.81875	
292	770.821875			General Use	1252	800.821875		
293	770.828125	770.83125	770.83750	General Use	1253	800.828125	800.83125	800.83750
294	770.834375			General Use	1254	800.834375		
295	770.840625	770.84375		General Use	1255	800.840625	800.84375	
296	770.846875			General Use	1256	800.846875		
297	770.853125	770.85625	770.86250	General Use	1257	800.853125	800.85625	800.86250
298	770.859375			General Use	1258	800.859375		
299	770.865625	770.86875		General Use	1259	800.865625	800.86875	
300	770.871875			General Use	1260	800.871875		
301	770.878125	770.88125	770.88750	General Use	1261	800.878125	800.88125	800.88750
302	770.884375			General Use	1262	800.884375		
303	770.890625	770.89375		Interoperability 7MOB59	1263	800.890625	800.89375	
304	770.896875			Interoperability 7MOB59	1264	800.896875		
305	770.903125	770.90625	770.91250	State license	1265	800.903125	800.90625	800.91250
306	770.909375			State license	1266	800.909375		
307	770.915625	770.91875		State license	1267	800.915625	800.91875	
308	770.921875			State license	1268	800.921875		
309	770.928125	770.93125	770.93750	State license	1269	800.928125	800.93125	800.93750
310	770.934375			State license	1270	800.934375		
311	770.940625	770.94375		State license	1271	800.940625	800.94375	
312	770.946875			State license	1272	800.946875		
313	770.953125	770.95625	770.96250	State license	1273	800.953125	800.95625	800.96250
314	770.959375			State license	1274	800.959375		

315	770.965625	770.96875		State license	1275	800.965625	800.96875	
316	770.971875			State license	1276	800.971875		
317	770.978125	770.98125	770.98750	General Use	1277	800.978125	800.98125	800.98750
318	770.984375			General Use	1278	800.984375		
319	770.990625	770.99375		Interoperability 7GTAC57	1279	800.990625	800.99375	
320	770.996875			Interoperability 7GTAC57	1280	800.996875		
321	771.003125	771.00625	771.01250	General Use	1281	801.003125	801.00625	801.01250
322	771.009375			General Use	1282	801.009375		
323	771.015625	771.01875		General Use	1283	801.015625	801.01875	
324	771.021875			General Use	1284	801.021875		
325	771.028125	771.03125	771.03750	General Use	1285	801.028125	801.03125	801.03750
326	771.034375			General Use	1286	801.034375		
327	771.040625	771.04375		General Use	1287	801.040625	801.04375	
328	771.046875			General Use	1288	801.046875		
329	771.053125	771.05625	771.06250	General Use	1289	801.053125	801.05625	801.06250
330	771.059375			General Use	1290	801.059375		
331	771.065625	771.06875		General Use	1291	801.065625	801.06875	
332	771.071875			General Use	1292	801.071875		
333	771.078125	771.08125	771.08750	General Use	1293	801.078125	801.08125	801.08750
334	771.084375			General Use	1294	801.084375		
335	771.090625	771.09375		General Use	1295	801.090625	801.09375	
336	771.096875			General Use	1296	801.096875		
337	771.103125	771.10625	771.11250	General Use	1297	801.103125	801.10625	801.11250
338	771.109375			General Use	1298	801.109375		
339	771.115625	771.11875		General Use	1299	801.115625	801.11875	
340	771.121875			General Use	1300	801.121875		
341	771.128125	771.13125	771.13750	General Use	1301	801.128125	801.13125	801.13750
342	771.134375			General Use	1302	801.134375		
343	771.140625	771.14375		General Use	1303	801.140625	801.14375	
344	771.146875			General Use	1304	801.146875		
345	771.153125	771.15625	771.16250	General Use	1305	801.153125	801.15625	801.16250
346	771.159375			General Use	1306	801.159375		
347	771.165625	771.16875		General Use	1307	801.165625	801.16875	
348	771.171875			General Use	1308	801.171875		
349	771.178125	771.18125	771.18750	General Use	1309	801.178125	801.18125	801.18750
350	771.184375			General Use	1310	801.184375		
351	771.190625	771.19375		General Use	1311	801.190625	801.19375	
352	771.196875			General Use	1312	801.196875		
353	771.203125	771.20625	771.21250	General Use	1313	801.203125	801.20625	801.21250
354	771.209375			General Use	1314	801.209375		
355	771.215625	771.21875		General Use	1315	801.215625	801.21875	
356	771.221875			General Use	1316	801.221875		
357	771.228125	771.23125	771.23750	General Use	1317	801.228125	801.23125	801.23750
358	771.234375			General Use	1318	801.234375		
359	771.240625	771.24375		General Use	1319	801.240625	801.24375	
360	771.246875			General Use	1320	801.246875		

361	771.253125	771.25625	771.26250	General Use	1321	801.253125	801.25625	801.26250
362	771.259375			General Use	1322	801.259375		
363	771.265625	771.26875		General Use	1323	801.265625	801.26875	
364	771.271875			General Use	1324	801.271875		
365	771.278125	771.28125	771.28750	General Use	1325	801.278125	801.28125	801.28750
366	771.284375			General Use	1326	801.284375		
367	771.290625	771.29375		General Use	1327	801.290625	801.29375	
368	771.296875			General Use	1328	801.296875		
369	771.303125	771.30625	771.31250	General Use	1329	801.303125	801.30625	801.31250
370	771.309375			General Use	1330	801.309375		
371	771.315625	771.31875		General Use	1331	801.315625	801.31875	
372	771.321875			General Use	1332	801.321875		
373	771.328125	771.33125	771.33750	General Use	1333	801.328125	801.33125	801.33750
374	771.334375			General Use	1334	801.334375		
375	771.340625	771.34375		General Use	1335	801.340625	801.34375	
376	771.346875			General Use	1336	801.346875		
377	771.353125	771.35625	771.36250	General Use	1337	801.353125	801.35625	801.36250
378	771.359375			General Use	1338	801.359375		
379	771.365625	771.36875		General Use	1339	801.365625	801.36875	
380	771.371875			General Use	1340	801.371875		
381	771.378125	771.38125	771.38750	General Use	1341	801.378125	801.38125	801.38750
382	771.384375			General Use	1342	801.384375		
383	771.390625	771.39375		General Use	1343	801.390625	801.39375	
384	771.396875			General Use	1344	801.396875		
385	771.403125	771.40625	771.41250	General Use	1345	801.403125	801.40625	801.41250
386	771.409375			General Use	1346	801.409375		
387	771.415625	771.41875		General Use	1347	801.415625	801.41875	
388	771.421875			General Use	1348	801.421875		
389	771.428125	771.43125	771.43750	General Use	1349	801.428125	801.43125	801.43750
390	771.434375			General Use	1350	801.434375		
391	771.440625	771.44375		General Use	1351	801.440625	801.44375	
392	771.446875			General Use	1352	801.446875		
393	771.453125	771.45625	771.46250	General Use	1353	801.453125	801.45625	801.46250
394	771.459375			General Use	1354	801.459375		
395	771.465625	771.46875		General Use	1355	801.465625	801.46875	
396	771.471875			General Use	1356	801.471875		
397	771.478125	771.48125	771.48750	General Use	1357	801.478125	801.48125	801.48750
398	771.484375			General Use	1358	801.484375		
399	771.490625	771.49375		General Use	1359	801.490625	801.49375	
400	771.496875			General Use	1360	801.496875		
401	771.503125	771.50625	771.51250	General Use	1361	801.503125	801.50625	801.51250
402	771.509375			General Use	1362	801.509375		
403	771.515625	771.51875		General Use	1363	801.515625	801.51875	
404	771.521875			General Use	1364	801.521875		
405	771.528125	771.53125	771.53750	General Use	1365	801.528125	801.53125	801.53750
406	771.534375			General Use	1366	801.534375		

407	771.540625	771.54375		General Use	1367	801.540625	801.54375	
408	771.546875			General Use	1368	801.546875		
409	771.553125	771.55625	771.56250	General Use	1369	801.553125	801.55625	801.56250
410	771.559375			General Use	1370	801.559375		
411	771.565625	771.56875		General Use	1371	801.565625	801.56875	
412	771.571875			General Use	1372	801.571875		
413	771.578125	771.58125	771.58750	General Use	1373	801.578125	801.58125	801.58750
414	771.584375			General Use	1374	801.584375		
415	771.590625	771.59375		General Use	1375	801.590625	801.59375	
416	771.596875			General Use	1376	801.596875		
417	771.603125	771.60625	771.61250	General Use	1377	801.603125	801.60625	801.61250
418	771.609375			General Use	1378	801.609375		
419	771.615625	771.61875		General Use	1379	801.615625	801.61875	
420	771.621875			General Use	1380	801.621875		
421	771.628125	771.63125	771.63750	General Use	1381	801.628125	801.63125	801.63750
422	771.634375			General Use	1382	801.634375		
423	771.640625	771.64375		General Use	1383	801.640625	801.64375	
424	771.646875			General Use	1384	801.646875		
425	771.653125	771.65625	771.66250	General Use	1385	801.653125	801.65625	801.66250
426	771.659375			General Use	1386	801.659375		
427	771.665625	771.66875		General Use	1387	801.665625	801.66875	
428	771.671875			General Use	1388	801.671875		
429	771.678125	771.68125	771.68750	General Use	1389	801.678125	801.68125	801.68750
430	771.684375			General Use	1390	801.684375		
431	771.690625	771.69375		General Use	1391	801.690625	801.69375	
432	771.696875			General Use	1392	801.696875		
433	771.703125	771.70625	771.71250	General Use	1393	801.703125	801.70625	801.71250
434	771.709375			General Use	1394	801.709375		
435	771.715625	771.71875		General Use	1395	801.715625	801.71875	
436	771.721875			General Use	1396	801.721875		
437	771.728125	771.73125	771.73750	General Use	1397	801.728125	801.73125	801.73750
438	771.734375			General Use	1398	801.734375		
439	771.740625	771.74375		General Use	1399	801.740625	801.74375	
440	771.746875			General Use	1400	801.746875		
441	771.753125	771.75625	771.76250	General Use	1401	801.753125	801.75625	801.76250
442	771.759375			General Use	1402	801.759375		
443	771.765625	771.76875		General Use	1403	801.765625	801.76875	
444	771.771875			General Use	1404	801.771875		
445	771.778125	771.78125	771.78750	General Use	1405	801.778125	801.78125	801.78750
446	771.784375			General Use	1406	801.784375		
447	771.790625	771.79375		General Use	1407	801.790625	801.79375	
448	771.796875			General Use	1408	801.796875		
449	771.803125	771.80625	771.81250	General Use	1409	801.803125	801.80625	801.81250
450	771.809375			General Use	1410	801.809375		
451	771.815625	771.81875		General Use	1411	801.815625	801.81875	
452	771.821875			General Use	1412	801.821875		

453	771.828125	771.83125	771.83750	General Use	1413	801.828125	801.83125	801.83750
454	771.834375			General Use	1414	801.834375		
455	771.840625	771.84375		General Use	1415	801.840625	801.84375	
456	771.846875			General Use	1416	801.846875		
457	771.853125	771.85625	771.86250	General Use	1417	801.853125	801.85625	801.86250
458	771.859375			General Use	1418	801.859375		
459	771.865625	771.86875		General Use	1419	801.865625	801.86875	
460	771.871875			General Use	1420	801.871875		
461	771.878125	771.88125	771.88750	General Use	1421	801.878125	801.88125	801.88750
462	771.884375			General Use	1422	801.884375		
463	771.890625	771.89375		General Use	1423	801.890625	801.89375	
464	771.896875			General Use	1424	801.896875		
465	771.903125	771.90625	771.91250	General Use	1425	801.903125	801.90625	801.91250
466	771.909375			General Use	1426	801.909375		
467	771.915625	771.91875		General Use	1427	801.915625	801.91875	
468	771.921875			General Use	1428	801.921875		
469	771.928125	771.93125	771.93750	General Use	1429	801.928125	801.93125	801.93750
470	771.934375			General Use	1430	801.934375		
471	771.940625	771.94375		General Use	1431	801.940625	801.94375	
472	771.946875			General Use	1432	801.946875		
473	771.953125	771.95625	771.96250	General Use	1433	801.953125	801.95625	801.96250
474	771.959375			General Use	1434	801.959375		
475	771.965625	771.96875		General Use	1435	801.965625	801.96875	
476	771.971875			General Use	1436	801.971875		
477	771.978125	771.98125	771.98750	General Use	1437	801.978125	801.98125	801.98750
478	771.984375			General Use	1438	801.984375		
479	771.990625	771.99375		General Use	1439	801.990625	801.99375	
480	771.996875			General Use	1440	801.996875		
481	772.003125	772.00625	772.01250	General Use	1441	802.003125	802.00625	802.01250
482	772.009375			General Use	1442	802.009375		
483	772.015625	772.01875		General Use	1443	802.015625	802.01875	
484	772.021875			General Use	1444	802.021875		
485	772.028125	772.03125	772.03750	General Use	1445	802.028125	802.03125	802.03750
486	772.034375			General Use	1446	802.034375		
487	772.040625	772.04375		General Use	1447	802.040625	802.04375	
488	772.046875			General Use	1448	802.046875		
489	772.053125	772.05625	772.06250	General Use	1449	802.053125	802.05625	802.06250
490	772.059375			General Use	1450	802.059375		
491	772.065625	772.06875		General Use	1451	802.065625	802.06875	
492	772.071875			General Use	1452	802.071875		
493	772.078125	772.08125	772.08750	General Use	1453	802.078125	802.08125	802.08750
494	772.084375			General Use	1454	802.084375		
495	772.090625	772.09375		General Use	1455	802.090625	802.09375	
496	772.096875			General Use	1456	802.096875		
497	772.103125	772.10625	772.11250	General Use	1457	802.103125	802.10625	802.11250
498	772.109375			General Use	1458	802.109375		

499	772.115625	772.11875		General Use	1459	802.115625	802.11875	
500	772.121875			General Use	1460	802.121875		
501	772.128125	772.13125	772.13750	General Use	1461	802.128125	802.13125	802.13750
502	772.134375			General Use	1462	802.134375		
503	772.140625	772.14375		General Use	1463	802.140625	802.14375	
504	772.146875			General Use	1464	802.146875		
505	772.153125	772.15625	772.16250	General Use	1465	802.153125	802.15625	802.16250
506	772.159375			General Use	1466	802.159375		
507	772.165625	772.16875		General Use	1467	802.165625	802.16875	
508	772.171875			General Use	1468	802.171875		
509	772.178125	772.18125	772.18750	General Use	1469	802.178125	802.18125	802.18750
510	772.184375			General Use	1470	802.184375		
511	772.190625	772.19375		General Use	1471	802.190625	802.19375	
512	772.196875			General Use	1472	802.196875		
513	772.203125	772.20625	772.21250	General Use	1473	802.203125	802.20625	802.21250
514	772.209375			General Use	1474	802.209375		
515	772.215625	772.21875		General Use	1475	802.215625	802.21875	
516	772.221875			General Use	1476	802.221875		
517	772.228125	772.23125	772.23750	General Use	1477	802.228125	802.23125	802.23750
518	772.234375			General Use	1478	802.234375		
519	772.240625	772.24375		General Use	1479	802.240625	802.24375	
520	772.246875			General Use	1480	802.246875		
521	772.253125	772.25625	772.26250	General Use	1481	802.253125	802.25625	802.26250
522	772.259375			General Use	1482	802.259375		
523	772.265625	772.26875		General Use	1483	802.265625	802.26875	
524	772.271875			General Use	1484	802.271875		
525	772.278125	772.28125	772.28750	General Use	1485	802.278125	802.28125	802.28750
526	772.284375			General Use	1486	802.284375		
527	772.290625	772.29375		General Use	1487	802.290625	802.29375	
528	772.296875			General Use	1488	802.296875		
529	772.303125	772.30625	772.31250	General Use	1489	802.303125	802.30625	802.31250
530	772.309375			General Use	1490	802.309375		
531	772.315625	772.31875		General Use	1491	802.315625	802.31875	
532	772.321875			General Use	1492	802.321875		
533	772.328125	772.33125	772.33750	General Use	1493	802.328125	802.33125	802.33750
534	772.334375			General Use	1494	802.334375		
535	772.340625	772.34375		General Use	1495	802.340625	802.34375	
536	772.346875			General Use	1496	802.346875		
537	772.353125	772.35625	772.36250	General Use	1497	802.353125	802.35625	802.36250
538	772.359375			General Use	1498	802.359375		
539	772.365625	772.36875		General Use	1499	802.365625	802.36875	
540	772.371875			General Use	1500	802.371875		
541	772.378125	772.38125	772.38750	General Use	1501	802.378125	802.38125	802.38750
542	772.384375			General Use	1502	802.384375		
543	772.390625	772.39375		General Use	1503	802.390625	802.39375	
544	772.396875			General Use	1504	802.396875		

545	772.403125	772.40625	772.41250	General Use	1505	802.403125	802.40625	802.41250
546	772.409375			General Use	1506	802.409375		
547	772.415625	772.41875		General Use	1507	802.415625	802.41875	
548	772.421875			General Use	1508	802.421875		
549	772.428125	772.43125	772.43750	General Use	1509	802.428125	802.43125	802.43750
550	772.434375			General Use	1510	802.434375		
551	772.440625	772.44375		General Use	1511	802.440625	802.44375	
552	772.446875			General Use	1512	802.446875		
553	772.453125	772.45625	772.46250	General Use	1513	802.453125	802.45625	802.46250
554	772.459375			General Use	1514	802.459375		
555	772.465625	772.46875		General Use	1515	802.465625	802.46875	
556	772.471875			General Use	1516	802.471875		
557	772.478125	772.48125	772.48750	General Use	1517	802.478125	802.48125	802.48750
558	772.484375			General Use	1518	802.484375		
559	772.490625	772.49375		General Use	1519	802.490625	802.49375	
560	772.496875			General Use	1520	802.496875		
561	772.503125	772.50625	772.51250	General Use	1521	802.503125	802.50625	802.51250
562	772.509375			General Use	1522	802.509375		
563	772.515625	772.51875		General Use	1523	802.515625	802.51875	
564	772.521875			General Use	1524	802.521875		
565	772.528125	772.53125	772.53750	General Use	1525	802.528125	802.53125	802.53750
566	772.534375			General Use	1526	802.534375		
567	772.540625	772.54375		General Use	1527	802.540625	802.54375	
568	772.546875			General Use	1528	802.546875		
569	772.553125	772.55625	772.56250	General Use	1529	802.553125	802.55625	802.56250
570	772.559375			General Use	1530	802.559375		
571	772.565625	772.56875		General Use	1531	802.565625	802.56875	
572	772.571875			General Use	1532	802.571875		
573	772.578125	772.58125	772.58750	General Use	1533	802.578125	802.58125	802.58750
574	772.584375			General Use	1534	802.584375		
575	772.590625	772.59375		General Use	1535	802.590625	802.59375	
576	772.596875			General Use	1536	802.596875		
577	772.603125	772.60625	772.61250	General Use	1537	802.603125	802.60625	802.61250
578	772.609375			General Use	1538	802.609375		
579	772.615625	772.61875		General Use	1539	802.615625	802.61875	
580	772.621875			General Use	1540	802.621875		
581	772.628125	772.63125	772.63750	General Use	1541	802.628125	802.63125	802.63750
582	772.634375			General Use	1542	802.634375		
583	772.640625	772.64375		General Use	1543	802.640625	802.64375	
584	772.646875			General Use	1544	802.646875		
585	772.653125	772.65625	772.66250	General Use	1545	802.653125	802.65625	802.66250
586	772.659375			General Use	1546	802.659375		
587	772.665625	772.66875		General Use	1547	802.665625	802.66875	
588	772.671875			General Use	1548	802.671875		
589	772.678125	772.68125	772.68750	General Use	1549	802.678125	802.68125	802.68750
590	772.684375			General Use	1550	802.684375		

591	772.690625	772.69375		General Use	1551	802.690625	802.69375	
592	772.696875			General Use	1552	802.696875		
593	772.703125	772.70625	772.71250	General Use	1553	802.703125	802.70625	802.71250
594	772.709375			General Use	1554	802.709375		
595	772.715625	772.71875		General Use	1555	802.715625	802.71875	
596	772.721875			General Use	1556	802.721875		
597	772.728125	772.73125	772.73750	General Use	1557	802.728125	802.73125	802.73750
598	772.734375			General Use	1558	802.734375		
599	772.740625	772.74375		General Use	1559	802.740625	802.74375	
600	772.746875			General Use	1560	802.746875		
601	772.753125	772.75625	772.76250	General Use	1561	802.753125	802.75625	802.76250
602	772.759375			General Use	1562	802.759375		
603	772.765625	772.76875		General Use	1563	802.765625	802.76875	
604	772.771875			General Use	1564	802.771875		
605	772.778125	772.78125	772.78750	General Use	1565	802.778125	802.78125	802.78750
606	772.784375			General Use	1566	802.784375		
607	772.790625	772.79375		General Use	1567	802.790625	802.79375	
608	772.796875			General Use	1568	802.796875		
609	772.803125	772.80625	772.81250	General Use	1569	802.803125	802.80625	802.81250
610	772.809375			General Use	1570	802.809375		
611	772.815625	772.81875		General Use	1571	802.815625	802.81875	
612	772.821875			General Use	1572	802.821875		
613	772.828125	772.83125	772.83750	General Use	1573	802.828125	802.83125	802.83750
614	772.834375			General Use	1574	802.834375		
615	772.840625	772.84375		General Use	1575	802.840625	802.84375	
616	772.846875			General Use	1576	802.846875		
617	772.853125	772.85625	772.86250	General Use	1577	802.853125	802.85625	802.86250
618	772.859375			General Use	1578	802.859375		
619	772.865625	772.86875		General Use	1579	802.865625	802.86875	
620	772.871875			General Use	1580	802.871875		
621	772.878125	772.88125	772.88750	General Use	1581	802.878125	802.88125	802.88750
622	772.884375			General Use	1582	802.884375		
623	772.890625	772.89375		General Use	1583	802.890625	802.89375	
624	772.896875			General Use	1584	802.896875		
625	772.903125	772.90625	772.91250	General Use	1585	802.903125	802.90625	802.91250
626	772.909375			General Use	1586	802.909375		
627	772.915625	772.91875		General Use	1587	802.915625	802.91875	
628	772.921875			General Use	1588	802.921875		
629	772.928125	772.93125	772.93750	General Use	1589	802.928125	802.93125	802.93750
630	772.934375			General Use	1590	802.934375		
631	772.940625	772.94375		General Use	1591	802.940625	802.94375	
632	772.946875			General Use	1592	802.946875		
633	772.953125	772.95625	772.96250	General Use	1593	802.953125	802.95625	802.96250
634	772.959375			General Use	1594	802.959375		
635	772.965625	772.96875		General Use	1595	802.965625	802.96875	
636	772.971875			General Use	1596	802.971875		

637	772.978125	772.98125	772.98750	General Use	1597	802.978125	802.98125	802.98750
638	772.984375			General Use	1598	802.984375		
639	772.990625	772.99375		General Use	1599	802.990625	802.99375	
640	772.996875			General Use	1600	802.996875		
641	773.003125	773.00625		Interoperability 7MED86	1601	803.003125	803.00625	
642	773.009375			Interoperability 7MED86	1602	803.009375		
643	773.015625	773.01875		General Use	1603	803.015625	803.01875	
644	773.021875			General Use	1604	803.021875		
645	773.028125	773.03125	773.03750	State license	1605	803.028125	803.03125	803.03750
646	773.034375			State license	1606	803.034375		
647	773.040625	773.04375		State license	1607	803.040625	803.04375	
648	773.046875			State license	1608	803.046875		
649	773.053125	773.05625	773.06250	State license	1609	803.053125	803.05625	803.06250
650	773.059375			State license	1610	803.059375		
651	773.065625	773.06875		State license	1611	803.065625	803.06875	
652	773.071875			State license	1612	803.071875		
653	773.078125	773.08125	773.08750	State license	1613	803.078125	803.08125	803.08750
654	773.084375			State license	1614	803.084375		
655	773.090625	773.09375		State license	1615	803.090625	803.09375	
656	773.096875			State license	1616	803.096875		
657	773.103125	773.10625		Interoperability 7TAC71	1617	803.103125	803.10625	
658	773.109375			Interoperability 7TAC71	1618	803.109375		
659	773.115625	773.11875		Air-to-Ground	1619	803.115625	803.11875	
660	773.121875			Air-to-Ground	1620	803.121875		
661	773.128125	773.13125	773.13750	General Use	1621	803.128125	803.13125	803.13750
662	773.134375			General Use	1622	803.134375		
663	773.140625	773.14375		General Use	1623	803.140625	803.14375	
664	773.146875			General Use	1624	803.146875		
665	773.153125	773.15625	773.16250	General Use	1625	803.153125	803.15625	803.16250
666	773.159375			General Use	1626	803.159375		
667	773.165625	773.16875		General Use	1627	803.165625	803.16875	
668	773.171875			General Use	1628	803.171875		
669	773.178125	773.18125	773.18750	General Use	1629	803.178125	803.18125	803.18750
670	773.184375			General Use	1630	803.184375		
671	773.190625	773.19375		General Use	1631	803.190625	803.19375	
672	773.196875			General Use	1632	803.196875		
673	773.203125	773.20625	773.21250	General Use	1633	803.203125	803.20625	803.21250
674	773.209375			General Use	1634	803.209375		
675	773.215625	773.21875		General Use	1635	803.215625	803.21875	
676	773.221875			General Use	1636	803.221875		
677	773.228125	773.23125	773.23750	General Use	1637	803.228125	803.23125	803.23750
678	773.234375			General Use	1638	803.234375		
679	773.240625	773.24375		General Use	1639	803.240625	803.24375	
680	773.246875			General Use	1640	803.246875		
681	773.253125	773.25625		Interoperability 7CALL70	1641	803.253125	803.25625	
682	773.259375			Interoperability 7CALL70	1642	803.259375		

683	773.265625	773.26875		General Use	1643	803.265625	803.26875	
684	773.271875			General Use	1644	803.271875		
685	773.278125	773.28125	773.28750	State license	1645	803.278125	803.28125	803.28750
686	773.284375			State license	1646	803.284375		
687	773.290625	773.29375		State license	1647	803.290625	803.29375	
688	773.296875			State license	1648	803.296875		
689	773.303125	773.30625	773.31250	State license	1649	803.303125	803.30625	803.31250
690	773.309375			State license	1650	803.309375		
691	773.315625	773.31875		State license	1651	803.315625	803.31875	
692	773.321875			State license	1652	803.321875		
693	773.328125	773.33125	773.33750	State license	1653	803.328125	803.33125	803.33750
694	773.334375			State license	1654	803.334375		
695	773.340625	773.34375		State license	1655	803.340625	803.34375	
696	773.346875			State license	1656	803.346875		
697	773.353125	773.35625		Interoperability 7MED87	1657	803.353125	803.35625	
698	773.359375			Interoperability 7MED87	1658	803.359375		
699	773.365625	773.36875		General Use	1659	803.365625	803.36875	
700	773.371875			General Use	1660	803.371875		
701	773.378125	773.38125	773.38750	General Use	1661	803.378125	803.38125	803.38750
702	773.384375			General Use	1662	803.384375		
703	773.390625	773.39375		General Use	1663	803.390625	803.39375	
704	773.396875			General Use	1664	803.396875		
705	773.403125	773.40625	773.41250	General Use	1665	803.403125	803.40625	803.41250
706	773.409375			General Use	1666	803.409375		
707	773.415625	773.41875		General Use	1667	803.415625	803.41875	
708	773.421875			General Use	1668	803.421875		
709	773.428125	773.43125	773.43750	General Use	1669	803.428125	803.43125	803.43750
710	773.434375			General Use	1670	803.434375		
711	773.440625	773.44375		General Use	1671	803.440625	803.44375	
712	773.446875			General Use	1672	803.446875		
713	773.453125	773.45625	773.46250	General Use	1673	803.453125	803.45625	803.46250
714	773.459375			General Use	1674	803.459375		
715	773.465625	773.46875		General Use	1675	803.465625	803.46875	
716	773.471875			General Use	1676	803.471875		
717	773.478125	773.48125	773.48750	General Use	1677	803.478125	803.48125	803.48750
718	773.484375			General Use	1678	803.484375		
719	773.490625	773.49375		General Use	1679	803.490625	803.49375	
720	773.496875			General Use	1680	803.496875		
721	773.503125	773.50625		Interoperability 7FIRE83	1681	803.503125	803.50625	
722	773.509375			Interoperability 7FIRE83	1682	803.509375		
723	773.515625	773.51875		General Use	1683	803.515625	803.51875	
724	773.521875			General Use	1684	803.521875		
725	773.528125	773.53125	773.53750	State license	1685	803.528125	803.53125	803.53750
726	773.534375			State license	1686	803.534375		
727	773.540625	773.54375		State license	1687	803.540625	803.54375	
728	773.546875			State license	1688	803.546875		

729	773.553125	773.55625	773.56250	State license	1689	803.553125	803.55625	803.56250
730	773.559375			State license	1690	803.559375		
731	773.565625	773.56875		State license	1691	803.565625	803.56875	
732	773.571875			State license	1692	803.571875		
733	773.578125	773.58125	773.58750	State license	1693	803.578125	803.58125	803.58750
734	773.584375			State license	1694	803.584375		
735	773.590625	773.59375		State license	1695	803.590625	803.59375	
736	773.596875			State license	1696	803.596875		
737	773.603125	773.60625		Interoperability 7TAC72	1697	803.603125	803.60625	
738	773.609375			Interoperability 7TAC72	1698	803.609375		
739	773.615625	773.61875		Air-to-Ground	1699	803.615625	803.61875	
740	773.621875			Air-to-Ground	1700	803.621875		
741	773.628125	773.63125	773.63750	General Use	1701	803.628125	803.63125	803.63750
742	773.634375			General Use	1702	803.634375		
743	773.640625	773.64375		General Use	1703	803.640625	803.64375	
744	773.646875			General Use	1704	803.646875		
745	773.653125	773.65625	773.66250	General Use	1705	803.653125	803.65625	803.66250
746	773.659375			General Use	1706	803.659375		
747	773.665625	773.66875		General Use	1707	803.665625	803.66875	
748	773.671875			General Use	1708	803.671875		
749	773.678125	773.68125	773.68750	General Use	1709	803.678125	803.68125	803.68750
750	773.684375			General Use	1710	803.684375		
751	773.690625	773.69375		General Use	1711	803.690625	803.69375	
752	773.696875			General Use	1712	803.696875		
753	773.703125	773.70625	773.71250	General Use	1713	803.703125	803.70625	803.71250
754	773.709375			General Use	1714	803.709375		
755	773.715625	773.71875		General Use	1715	803.715625	803.71875	
756	773.721875			General Use	1716	803.721875		
757	773.728125	773.73125	773.73750	General Use	1717	803.728125	803.73125	803.73750
758	773.734375			General Use	1718	803.734375		
759	773.740625	773.74375		General Use	1719	803.740625	803.74375	
760	773.746875			General Use	1720	803.746875		
761	773.753125	773.75625		Interoperability 7TAC75	1721	803.753125	803.75625	
762	773.759375			Interoperability 7TAC75	1722	803.759375		
763	773.765625	773.76875		General Use	1723	803.765625	803.76875	
764	773.771875			General Use	1724	803.771875		
765	773.778125	773.78125	773.78750	State license	1725	803.778125	803.78125	803.78750
766	773.784375			State license	1726	803.784375		
767	773.790625	773.79375		State license	1727	803.790625	803.79375	
768	773.796875			State license	1728	803.796875		
769	773.803125	773.80625	773.81250	State license	1729	803.803125	803.80625	803.81250
770	773.809375			State license	1730	803.809375		
771	773.815625	773.81875		State license	1731	803.815625	803.81875	
772	773.821875			State license	1732	803.821875		
773	773.828125	773.83125	773.83750	State license	1733	803.828125	803.83125	803.83750
774	773.834375			State license	1734	803.834375		

775	773.840625	773.84375		State license	1735	803.840625	803.84375	
776	773.846875			State license	1736	803.846875		
777	773.853125	773.85625		Interoperability 7FIRE84	1737	803.853125	803.85625	
778	773.859375			Interoperability 7FIRE84	1738	803.859375		
779	773.865625	773.86875		General Use	1739	803.865625	803.86875	
780	773.871875			General Use	1740	803.871875		
781	773.878125	773.88125	773.88750	General Use	1741	803.878125	803.88125	803.88750
782	773.884375			General Use	1742	803.884375		
783	773.890625	773.89375		General Use	1743	803.890625	803.89375	
784	773.896875			General Use	1744	803.896875		
785	773.903125	773.90625	773.91250	General Use	1745	803.903125	803.90625	803.91250
786	773.909375			General Use	1746	803.909375		
787	773.915625	773.91875		General Use	1747	803.915625	803.91875	
788	773.921875			General Use	1748	803.921875		
789	773.928125	773.93125	773.93750	General Use	1749	803.928125	803.93125	803.93750
790	773.934375			General Use	1750	803.934375		
791	773.940625	773.94375		General Use	1751	803.940625	803.94375	
792	773.946875			General Use	1752	803.946875		
793	773.953125	773.95625	773.96250	General Use	1753	803.953125	803.95625	803.96250
794	773.959375			General Use	1754	803.959375		
795	773.965625	773.96875		General Use	1755	803.965625	803.96875	
796	773.971875			General Use	1756	803.971875		
797	773.978125	773.98125	773.98750	General Use	1757	803.978125	803.98125	803.98750
798	773.984375			General Use	1758	803.984375		
799	773.990625	773.99375		General Use	1759	803.990625	803.99375	
800	773.996875			General Use	1760	803.996875		
801	774.003125	774.00625		Interoperability 7LAW81	1761	804.003125	804.00625	
802	774.009375			Interoperability 7LAW81	1762	804.009375		
803	774.015625	774.01875		General Use	1763	804.015625	804.01875	
804	774.021875			General Use	1764	804.021875		
805	774.028125	774.03125	774.03750	State license	1765	804.028125	804.03125	804.03750
806	774.034375			State license	1766	804.034375		
807	774.040625	774.04375		State license	1767	804.040625	804.04375	
808	774.046875			State license	1768	804.046875		
809	774.053125	774.05625	774.06250	State license	1769	804.053125	804.05625	804.06250
810	774.059375			State license	1770	804.059375		
811	774.065625	774.06875		State license	1771	804.065625	804.06875	
812	774.071875			State license	1772	804.071875		
813	774.078125	774.08125	774.08750	State license	1773	804.078125	804.08125	804.08750
814	774.084375			State license	1774	804.084375		
815	774.090625	774.09375		State license	1775	804.090625	804.09375	
816	774.096875			State license	1776	804.096875		
817	774.103125	774.10625		Interoperability 7TAC73	1777	804.103125	804.10625	
818	774.109375			Interoperability 7TAC73	1778	804.109375		
819	774.115625	774.11875		Air-to-Ground	1779	804.115625	804.11875	
820	774.121875			Air-to-Ground	1780	804.121875		

821	774.128125	774.13125	774.13750	General Use	1781	804.128125	804.13125	804.13750
822	774.134375			General Use	1782	804.134375		
823	774.140625	774.14375		General Use	1783	804.140625	804.14375	
824	774.146875			General Use	1784	804.146875		
825	774.153125	774.15625	774.16250	General Use	1785	804.153125	804.15625	804.16250
826	774.159375			General Use	1786	804.159375		
827	774.165625	774.16875		General Use	1787	804.165625	804.16875	
828	774.171875			General Use	1788	804.171875		
829	774.178125	774.18125	774.18750	General Use	1789	804.178125	804.18125	804.18750
830	774.184375			General Use	1790	804.184375		
831	774.190625	774.19375		General Use	1791	804.190625	804.19375	
832	774.196875			General Use	1792	804.196875		
833	774.203125	774.20625	774.21250	General Use	1793	804.203125	804.20625	804.21250
834	774.209375			General Use	1794	804.209375		
835	774.215625	774.21875		General Use	1795	804.215625	804.21875	
836	774.221875			General Use	1796	804.221875		
837	774.228125	774.23125	774.23750	General Use	1797	804.228125	804.23125	804.23750
838	774.234375			General Use	1798	804.234375		
839	774.240625	774.24375		General Use	1799	804.240625	804.24375	
840	774.246875			General Use	1800	804.246875		
841	774.253125	774.25625		Interoperability 7TAC76	1801	804.253125	804.25625	
842	774.259375			Interoperability 7TAC76	1802	804.259375		
843	774.265625	774.26875		General Use	1803	804.265625	804.26875	
844	774.271875			General Use	1804	804.271875		
845	774.278125	774.28125	774.28750	State license	1805	804.278125	804.28125	804.28750
846	774.284375			State license	1806	804.284375		
847	774.290625	774.29375		State license	1807	804.290625	804.29375	
848	774.296875			State license	1808	804.296875		
849	774.303125	774.30625	774.31250	State license	1809	804.303125	804.30625	804.31250
850	774.309375			State license	1810	804.309375		
851	774.315625	774.31875		State license	1811	804.315625	804.31875	
852	774.321875			State license	1812	804.321875		
853	774.328125	774.33125	774.33750	State license	1813	804.328125	804.33125	804.33750
854	774.334375			State license	1814	804.334375		
855	774.340625	774.34375		State license	1815	804.340625	804.34375	
856	774.346875			State license	1816	804.346875		
857	774.353125	774.35625		Interoperability 7LAW82	1817	804.353125	804.35625	
858	774.359375			Interoperability 7LAW82	1818	804.359375		
859	774.365625	774.36875		General Use (MO3)	1819	804.365625	804.36875	
860	774.371875			General Use (MO3)	1820	804.371875		
861	774.378125	774.38125	774.38750	General Use	1821	804.378125	804.38125	804.38750
862	774.384375			General Use	1822	804.384375		
863	774.390625	774.39375		General Use	1823	804.390625	804.39375	
864	774.396875			General Use	1824	804.396875		
865	774.403125	774.40625	774.41250	General Use	1825	804.403125	804.40625	804.41250
866	774.409375			General Use	1826	804.409375		

867	774.415625	774.41875		General Use	1827	804.415625	804.41875	
868	774.421875			General Use	1828	804.421875		
869	774.428125	774.43125	774.43750	General Use	1829	804.428125	804.43125	804.43750
870	774.434375			General Use	1830	804.434375		
871	774.440625	774.44375		General Use	1831	804.440625	804.44375	
872	774.446875			General Use	1832	804.446875		
873	774.453125	774.45625	774.46250	General Use	1833	804.453125	804.45625	804.46250
874	774.459375			General Use	1834	804.459375		
875	774.465625	774.46875		General Use	1835	804.465625	804.46875	
876	774.471875			General Use	1836	804.471875		
877	774.478125	774.48125	774.48750	General Use	1837	804.478125	804.48125	804.48750
878	774.484375			General Use	1838	804.484375		
879	774.490625	774.49375		General Use	1839	804.490625	804.49375	
880	774.496875			General Use	1840	804.496875		
881	774.503125	774.50625		Interoperability 7MOB79	1841	804.503125	804.50625	
882	774.509375			Interoperability 7MOB79	1842	804.509375		
883	774.515625	774.51875		Gen. Use - Deployable PCC	1843	804.515625	804.51875	
884	774.521875			Gen. Use - Deployable PCC	1844	804.521875		
885	774.528125	774.53125	774.53750	State license	1845	804.528125	804.53125	804.53750
886	774.534375			State license	1846	804.534375		
887	774.540625	774.54375		State license	1847	804.540625	804.54375	
888	774.546875			State license	1848	804.546875		
889	774.553125	774.55625	774.56250	State license	1849	804.553125	804.55625	804.56250
890	774.559375			State license	1850	804.559375		
891	774.565625	774.56875		State license	1851	804.565625	804.56875	
892	774.571875			State license	1852	804.571875		
893	774.578125	774.58125	774.58750	State license	1853	804.578125	804.58125	804.58750
894	774.584375			State license	1854	804.584375		
895	774.590625	774.59375		State license	1855	804.590625	804.59375	
896	774.596875			State license	1856	804.596875		
897	774.603125	774.60625		Interoperability 7TAC74	1857	804.603125	804.60625	
898	774.609375			Interoperability 7TAC74	1858	804.609375		
899	774.615625	774.61875		Air-to-Ground	1859	804.615625	804.61875	
900	774.621875			Air-to-Ground	1860	804.621875		
901	774.628125	774.63125	774.63750	General Use	1861	804.628125	804.63125	804.63750
902	774.634375			General Use	1862	804.634375		
903	774.640625	774.64375		General Use	1863	804.640625	804.64375	
904	774.646875			General Use	1864	804.646875		
905	774.653125	774.65625	774.66250	General Use	1865	804.653125	804.65625	804.66250
906	774.659375			General Use	1866	804.659375		
907	774.665625	774.66875		General Use	1867	804.665625	804.66875	
908	774.671875			General Use	1868	804.671875		
909	774.678125	774.68125	774.68750	General Use	1869	804.678125	804.68125	804.68750
910	774.684375			General Use	1870	804.684375		
911	774.690625	774.69375		General Use	1871	804.690625	804.69375	
912	774.696875			General Use	1872	804.696875		

913	774.703125	774.70625	774.71250	General Use	1873	804.703125	804.70625	804.71250
914	774.709375			General Use	1874	804.709375		
915	774.715625	774.71875		General Use	1875	804.715625	804.71875	
916	774.721875			General Use	1876	804.721875		
917	774.728125	774.73125	774.73750	General Use	1877	804.728125	804.73125	804.73750
918	774.734375			General Use	1878	804.734375		
919	774.740625	774.74375		General Use	1879	804.740625	804.74375	
920	774.746875			General Use	1880	804.746875		
921	774.753125	774.75625		I/O LS data 7DATA89	1881	804.753125	804.75625	
922	774.759375			I/O LS data 7DATA89	1882	804.759375		
923	774.765625	774.76875		General Use (MO3)	1883	804.765625	804.76875	
924	774.771875			General Use (MO3)	1884	804.771875		
925	774.778125	774.78125	774.78750	State license	1885	804.778125	804.78125	804.78750
926	774.784375			State license	1886	804.784375		
927	774.790625	774.79375		State license	1887	804.790625	804.79375	
928	774.796875			State license	1888	804.796875		
929	774.803125	774.80625	774.81250	State license	1889	804.803125	804.80625	804.81250
930	774.809375			State license	1890	804.809375		
931	774.815625	774.81875		State license	1891	804.815625	804.81875	
932	774.821875			State license	1892	804.821875		
933	774.828125	774.83125	774.83750	State license	1893	804.828125	804.83125	804.83750
934	774.834375			State license	1894	804.834375		
935	774.840625	774.84375		State license	1895	804.840625	804.84375	
936	774.846875			State license	1896	804.846875		
937	774.853125	774.85625		Interoperability 7GTAC77	1897	804.853125	804.85625	
938	774.859375			Interoperability 7GTAC77	1898	804.859375		
939	774.865625	774.86875		Gen. Use - Deployable ACC	1899	804.865625	804.86875	
940	774.871875			Gen. Use - Deployable ACC	1900	804.871875		
941	774.878125	774.88125	774.88750	General Use	1901	804.878125	804.88125	804.88750
942	774.884375			General Use	1902	804.884375		
943	774.890625	774.89375		General Use	1903	804.890625	804.89375	
944	774.896875			General Use	1904	804.896875		
945	774.903125	774.90625	774.91250	General Use	1905	804.903125	804.90625	804.91250
946	774.909375			General Use	1906	804.909375		
947	774.915625	774.91875		General Use	1907	804.915625	804.91875	
948	774.921875			General Use	1908	804.921875		
949	774.928125	774.93125	774.93750	low power	1909	804.928125	804.93125	804.93750
950	774.934375			low power	1910	804.934375		
951	774.940625	774.94375		low power	1911	804.940625	804.94375	
952	774.946875			low power	1912	804.946875		
953	774.953125	774.95625	774.96250	low power	1913	804.953125	804.95625	804.96250
954	774.959375			low power	1914	804.959375		
955	774.965625	774.96875		low power	1915	804.965625	804.96875	
956	774.971875			low power	1916	804.971875		
957	774.978125	774.98125	774.98750	low power	1917	804.978125	804.98125	804.98750
958	774.984375			low power	1918	804.984375		

959	774.990625	774.99375		low power - Itinerant	1919	804.990625	804.99375	
960	774.996875			low power - Itinerant	1920	804.996875		

Appendix L

Air to Ground Channels

The FCC has repurposed the secondary trunked channels and they are now designated Air to Ground channels. The Air to Ground channels are administered by the State. The channels are listed here for informational purposes only.

ANSI		12.5 KHz	MO RX	12.5 KHz	MO TX	FCC Channel #
Ch Name	Usage	MO RX	Tone	MO TX	Tone	MO RX / MO TX
7AG58	Air to Ground	769.13125		799.13125		21-22/981-982
7AG60	Air to Ground	769.63125		799.63125		101-102/1061-1062
7AG67	Air to Ground	770.13125		800.13125		181-182/1141-1142
7AG68	Air to Ground	770.63125		800.63125		261-262/1221-1222
7AG78	Air to Ground	773.11875		803.11875		659-660/1619-1620
7AG80	Air to Ground	773.61875		803.61875		739-740/1699-1700
7AG85	Air to Ground	774.11875		804.11875		819-820/1779-1780
7AG88	Air to Ground	774.61875		804.61875		899-900/1859-1860

CONCLUSION

The Region 39 700 MHz Regional Planning Committee revised Plan report is documentation of the Region 39 700 MHz process and is submitted to comply with the FCC Report & Order 14-172. Every item in this document has been reviewed, to be best of our ability, and is pertinent to public safety 700 MHz implementation in Tennessee and in accordance with plans for allowing 700 MHz channels to be used in Tennessee's adjacent states of Alabama, Arkansas, Georgia, Kentucky, Mississippi, Missouri, North Carolina, Virginia, and non-border states of Illinois, South Carolina and West Virginia. We look forward to working with the Regional planning committees in these states to better the potential for public safety to have the tools available to complete their mission of protecting life and property in their respective states.

Respectfully,

Jesse D. Griggs
Chairperson, Region 39 Regional Planning Committee
Tennessee Department of Correction
October 30, 2015

ATTACHMENTS

SIGNED LETTERS OF CONCURRENCE FROM ADJACENT REGIONS ON FILE